NETL-1

Request to Present or Publish

General Information (To be completed by Submitter)

Submitter	OCR ID#	Pu blication No	Date
Angela D. Linsbeck	123456789	NETL-PUB-20172	3/17/2015

What document or product do you plan to prepare? Book Chapter or Book Editorship

Title of Article or Presentation

Book Chapter Sample

Shortened Title ***(Notification subject line - please limit to 75 characters)***

Book Chapter Sample

Fiscal Year	Site
2015	Morgantown

Program Office

FE - USDOE Office of Fossil Energy (FE)

Division	Division Director	Division Org Code
Test Division	Angela D. Linsbeck	

Focus Area	Focus Area Leader
Test Focus Area	Angela D. Linsbeck (CONTR)

Team	Team Lead
Test Team	Angela D. Linsbeck (CONTR)

Document Owner
(The system will send notifications to this person.)

(If the name is correct, but red, click on the checkmark.)

Angela D. Linsbeck

Note: You may enter the authors in any order. Each author will be sent an informational e-mail tha this process has been started.

NETL Internal Author	Internal Author Supervisor	Internal Author Affiliation (i.e., ORD, AECOM, ORISE)
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	AECOM

External Author	External Author E-mail	External Author Affiliation
Angela D. Linsbeck	[redacted]	AECOM

* **OSTI Subject Area(s)** *(More than one can be selected)*

- ☐ 01 - COAL, LIGNITE, AND PEAT
- ☐ 02 - PETROLEUM
- ☐ 03 - NATURAL GAS
- ☐ 04 - OIL SHALES AND TAR SANDS
- ☐ 07 - ISOTOPE AND RADIATION SOURCES

Keywords

coal and oil

Is the document associated with DOE funded work? ☐ Yes ☐ No

FWP, Other DOE Contract, etc.
Test FWP

Technical Portfolio Lead or Technical Task Coordinator
David B. Stiles (CONTR)

Is the document associated with externally funded work? ☐ Yes ☐ No

Book Chapter or Book Editorship

Information about Book Chapter or Book Editorship (To be completed by Submitter)

Summary of Proposed Contribution

ORD Re-org chart.pptx
Microsoft PowerPoint Presentation
108 KB

Supporting Documentation

Copy request form.pdf
Adobe Acrobat Document
81.4 KB

Explain why your supervisor should approve this request.

Please approve this request.

Supervisor Determination (Summary)

Approved

Confirmed by: Angela D. Linsbeck (CONTR)

Supervisor Comments to Submitter

Submitter - Do you still plan to contribute? ☐ Yes ☐ No

Submitter - Is a proposal required? ☐ Yes ☐ No

Draft Book or Book Chapter Proposal

ORD Organizational Chart.pdf
Adobe Acrobat Document
291 KB

Submitter (Attach draft with S upervisor's additional modifications)

Modified Book or Book Chapter Proposal

Invalid Signature.pdf
Adobe Acrobat Document
21.9 KB

Supervisor Determination (Proposal)

Approved

Confirmed by: Angela D. Linsbeck (CONTR)

Supervisor Comments to Submitter

See attached.

Supervisor can attach a document containing additional modifications

calendar-time-zone.pdf
Adobe Acrobat Document
116 KB

Submitter (Attach draft sent to book editor)

Book or Book Chapter Proposal sent to Editor or Publisher

ORD Organizational Chart.pdf
Adobe Acrobat Document
291 KB

Submission Date
3/17/2015

Submitter - Was the proposal accepted by the book editor or publisher? ☐ Yes ☐ No

Submitter (Attach final proposal that was accepted by the book editor or publisher)

Accepted Book or Book Chapter Proposal

ORD Organizational Chart.pdf
Adobe Acrobat Document
291 KB

Acceptance Date
3/17/2015

Submitter

STOP

The contract with the publisher must now be approved through the NETL legal department. This approval is done outside of the TPR system, via the Organizational Tracking System (OTS). If the OTS process has not been started, please contact your administrative assistant.

Please return to the form once approval or denial is received.

Submitter - If you decide not to pursue approval through the OTS process, please click the button to cancel the request.

Submitter - Was the OTS approved? ☐ Yes ☐ No

OTS Approval Documents	AbstractTest3.docx Microsoft Word Document 40.8 KB	File Attachment
Publisher Contract	AbstractTest2.docx Microsoft Word Document 40.8 KB	

Submitter - If you still need to write the book chapter, click the button to save and close the form.

Book Publisher Name	Sample Publisher
Book Introduction or Book Chapter Draft	AbstractTest2.docx Microsoft Word Document 40.8 KB
Media (select as many as appropriate)	☐ E-Book ☐ Printed Book

To add a data set to EDX, click here: https://edx.netl.doe.gov/
(This is an external link. The information is not automatically sent to EDX.)

Submitter - Would you like to suggest reviewers? ☐ Yes ☐ No

Review Due Date 3/25/2015 (Date by which review(s) need to be completed.)

Suggested Internal Reviewers	Suggested Reviewer's Supervisor	Type of Review
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	Technical

Submitter Suggested External Reviewers
(External reviews are conducted outside of the TPR system)

External Reviewer's Name	External Reviewer's Contact Information	Affiliation

Supervisor Reviewers - Are reviewers needed? ☐ Yes ☐ N o

Below is the list of reviewer(s) suggested by the Document Owner.

- If the reviewer(s) is acceptable, click **Supervisor Submit** below.
- If a different reviewer is preferred, delete the reviewer and supervisor's name and enter the desired reviewer, his or her supervisor and the type of review needed. Click **Supervisor Submit** below.

Internal Reviewer's Name	Reviewer's Supervisor	Type of Review
		Technical

Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	Policy

One of the selected reviewers has declined to review the document, if you would like to add an alternate reviewer, please add the name, supervisor's name and review type below. Click **Supervisor Submit** below.

Review Due Date 3/25/2015 (Date by which review needs to be completed.)

Is an external review needed? ☐ Yes ☐ No
(If yes, this review must be completed outside of the TPR system.)

Internal Reviewer Name
Angela D. Linsbeck (CONTR)
☐ Accept or ☐ Decline
Reminder : Please save the document for review before submitting the form.

Internal Reviewer Name
Angela D. Linsbeck (CONTR)
☐ Accept or ☐ Decline

Internal Reviewer Name Angela D. Linsbeck (CONTR)

Comments
see attached.

ORD Re-org chart.pdf
Adobe Acrobat Document
102 KB

Submitter (Attach draft with Reviewers' comments)

Draft after Review
ORD Organizational Chart.pdf
Adobe Acrobat Document
291 KB

Submitter (Attach draft with S upervisor's additional modifications)

Modified Book Introduction or Book Chapter Draft
Invalid Signature.pdf
Adobe Acrobat Document
21.9 KB

Supervisor Determination (Book Introduction or Chapter)

Approved **Confirmed by** **Angela D. Linsbeck (CONTR)**

Supervisor Comments to Submitter

one more change

Supervisor can attach a document containing additional modifications File Attachment

Submitter (Attach draft sent to the publication)

Draft Document to Publisher ORD Re-org chart.pdf Adobe Acrobat Document 102 KB

Estimated Response Date 3/25/2015

OSTI Information

Do you want to submit this document to OSTI? ☐ Yes ☐ No

Citation Information (Please use one of the following formats.)

Book Chapter: This manuscript is intended for publication as Chapter "XX" in the book "XYZ" published by "Name of Publisher, City, State" in "proposed publication year." ISBN (International Standard Book Number)(if known)

Book Chapter citation

Book Edited: Title of Book, Edited by <Editor's Name(s)>, Name of Publisher, City, State, Proposed Publication Year, ISBN (International Standard Book Number)(if known)

Please attach the FINAL accepted Publication. ORD Re-org chart.pdf Adobe Acrobat Document 102 KB

NETL-2

Request to Present or Publish

General Information (To be completed by Submitter)

Submitter	OCR ID#	Pu blication No	Date
Angela D. Linsbeck	123456789	NETL-PUB-20170	3/16/2015

What document or product do you plan to prepare? Conference Presentation and/or Conference Proceeding

Title of Article or Presentation

Conference Sample

Shortened Title ***(Notification subject line - please limit to 75 characters)***

Conference Sample

Fiscal Year	Site
2015	Morgantown

Program Office

FE - USDOE Office of Fossil Energy (FE)

Division	Division Director	Division Org Code
Test Division	Angela D. Linsbeck	

Focus Area	Focus Area Leader
Test Focus Area	Angela D. Linsbeck (CONTR)

Team	Team Lead
Test Team	Angela D. Linsbeck (CONTR)

Document Owner
(The system will send notifications to this person.)

(If the name is correct, but red, click on the checkmark.)

Angela D. Linsbeck

Note: You may enter the authors in any order. Each author will be sent an informational e-mail tha this process has been started.

NETL Internal Author	Internal Author Supervisor	Internal Author Affiliation (i.e., ORD, AECOM, ORISE)
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	AECOM
David B. Stiles (CONTR)	David B. Stiles (CONTR)	AECOM

External Author	External Author E-mail	External Author Affiliation
Angela D. Linsbeck	[redacted]	AECOM

* **OSTI Subject Area(s)** *(More than one can be selected)*

- ☐ 01 - COAL, LIGNITE, AND PEAT
- ☐ 02 - PETROLEUM
- ☒ 03 - NATURAL GAS
- ☐ 04 - OIL SHALES AND TAR SANDS
- ☐ 07 - ISOTOPE AND RADIATION SOURCES

Keywords

petroleum, natural gas

Is the document associated with DOE funded work? ☒ Yes ☐ No

FWP, Other DOE Contract, etc.
Test FWP

Technical Portfolio Lead or Technical Task Coordinator
David B. Stiles (CONTR)

Is the document associated with externally funded work? ☐ Yes ☒ No

Conference Abstract

Conference Abstract Information (To be completed by Submitter)

Conference Name	Sample Conference
Conference Location (City, State)	Morgantown, WV
Date(s)	3/23/2015 to 3/25/2015
Abstract Due Date	3/20/2015
Abstract Draft	Invalid Signature.pdf Adobe Acrobat Document 21.9 KB

Submitter - Are there restrictions on the release of information? ☒ Yes ☐ No

Caution : Documents in TPR are visible to all who have access to the ORD SharePoint site. Author should determine if this level of access is acceptable for the information being submitted. In addition, some information should not be submitted to OSTI.

Please note the restrictions.

CRADA partner

Statements regarding special handling of restricted information (more than one can be checked)

- ☒ Contractual requirements have been met (e.g., for CRADA/MOU; contact submitter for details)
- ☐ On hold until IP is protected
- ☐ Cover page only uploaded to TPR (contact submitter for full document)
- ☐ Do not release final document to OSTI

Submitter (Attach draft with S upervisor's additional modifications)

Modified Abstract	calendar-time-zone.pdf Adobe Acrobat Document 116 KB

Supervisor – The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.

Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? ☒ **Yes** ☐ **No**

Supervisor Determination (Abstract)

Approved **Confirmed by** **Angela D. Linsbeck (CONTR)**

Supervisor Comments to Submitter

Supervisor can attach a document containing additional modifications

Copy request form.pdf
Adobe Acrobat Document
81.4 KB

Submitter (Attach draft sent to the venue)

Draft Abstract to Venue

ORD Re-org chart.pdf
Adobe Acrobat Document
102 KB

Date Sent to Venue
3/16/2015

Submitter - Was the abstract accepted by the venue? ☒ Yes ☐ No

Conference Presentation or Poster

Conference Presentation or Poster Information (To be completed by Submitter)

Conference Name	Sample Conference
Conference Location (City, State)	Morgantown, WV
Date(s)	3/23/2015 to 3/25/2015

Presenters' Names

Angela D. Linsbeck (CONTR)

☒ Oral Presentation Only ☐ Poster Only ☐ Oral Presentation and Poster

Presentation or Poster Draft

ORD Organizational Chart.pdf
Adobe Acrobat Document
291 KB

To add a data set to EDX, click here: https://edx.netl.doe.gov/
(This is an external link. The information is not automatically sent to EDX.)

Submitter - Are there restrictions on the release of information? ☐ Yes ☒ No

Caution : Documents in TPR are visible to all who have access to the ORD SharePoint site. Author should determine if this level of access is acceptable for the information being submitted. In addition, some information should not be submitted to OSTI.

Submitter - Would you like to suggest reviewers? ☒ Yes ☐ No

Review Due Date 3/20/2015 (Date by which review needs to be completed.)

Suggested Internal Reviewer's Name	Suggested Reviewer's Supervisor	Type of Review
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	Technical

Submitter Suggested External Reviewers
(External reviews are conducted outside of the TPR system)

External Reviewer's Name	External Reviewer's Contact Information	Affiliation
Angela D. Linsbeck	Morgantown, WV	AECOM

Supervisor – The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.
Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? ☒ Yes ☐ No

Supervisor Reviewers - Are reviewers needed? ☒ Yes ☐ No

Below is the list of reviewer(s) suggested by the Document Owner.

- If the reviewer(s) is acceptable, click **Supervisor Submit** below.
- If a different reviewer is preferred, delete the reviewer and supervisor's name and enter the desired reviewer, his or her supervisor and the type of review needed. Click **Supervisor Submit** .

Internal Reviewer	Reviewer's Supervisor	Type of Review
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	Technical

Review Due Date 3/20/2015 (Date by which review needs to be completed.)

Supervisor - Is an external review needed?
(If yes, this review must be completed outside the TPR system.) ☐ Yes ☒ No

External Reviewer's Name	External Reviewer's Contact Information	Affiliation
Angela D. Linsbeck	Morgantown, WV	AECOM

Conference Reviewer Information

Internal Reviewer Name ☒ Accept or ☐ Decline
Angela D. Linsbeck (CONTR)
Reminder : Please save the document for review before

submitting the form.

Internal Reviewer Name Angela D. Linsbeck (CONTR)

Comments

see attached comments.

calendar-time-zone.pdf
Adobe Acrobat Document
116 KB

Submitter (Attach draft with Reviewers' comments)

Draft after Review

calendar-time-zone.pdf
Adobe Acrobat Document
116 KB

Submitter (Attach draft with S upervisor's additional modifications)

Modified Presentation or Poster

Invalid Signature.pdf
Adobe Acrobat Document
21.9 KB

Supervisor Determination (Presentation or Poster)

Approved **Confirmed by** **Martin J. Hick (CONTR)**

Supervisor Comments to Submitter

Supervisor can attach a document containing additional modifications

Copy request form.pdf
Adobe Acrobat Document
81.4 KB

Submitter (Attach draft sent to the conference)

Note: If there is an FWP selected above, SCC/SCNGO was sent an informational copy upon final approval by your supervisor.

Estimated Response Date

3/27/2015

Draft Document to Conference

Invalid Signature.pdf
Adobe Acrobat
Document
21.9 KB

OSTI Information

Submitter - Do you want to submit this document to OSTI? ☒ Yes ☐ No

Citation Information:

Test citation

Pease attach the FINAL accepted Presentation or Poster.

Invalid Signature.pdf
Adobe Acrobat
Document
21.9 KB

Are you expanding this document for conference proceedings? ☐ Yes ☒ No

NETL-3

Request to Present or Publish

General Information (To be completed by Submitter)

Submitter	OCR ID#	Pu blication No	Date
Angela D. Linsbeck	123456789	NETL-PUB-20171	3/16/2015

What document or product do you plan to prepare? Journal Manuscript

Title of Article or Presentation

Sample Journal Manuscript

Shortened Title ***(Notification subject line - please limit to 75 characters)***

Sample Journal Manuscript

Fiscal Year	Site
2015	Morgantown

Program Office

FE - USDOE Office of Fossil Energy (FE)

Division	Division Director	Division Org Code
Test Division	Angela D. Linsbeck	

Focus Area	Focus Area Leader
Test Focus Area	Angela D. Linsbeck (CONTR)

Team	Team Lead
Test Team	Angela D. Linsbeck (CONTR)

Document Owner
(The system will send notifications to this person.)

(If the name is correct, but red, click on the checkmark.)

Angela D. Linsbeck

Note: You may enter the authors in any order. Each author will be sent an informational e-mail tha this process has been started.

NETL Internal Author	Internal Author Supervisor	Internal Author Affiliation (i.e., ORD, AECOM, ORISE)
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	AECOM

External Author	External Author E-mail	External Author Affiliation
Angela D. Linsbeck	[redacted]	AECOM

* **OSTI Subject Area(s)** *(More than one can be selected)*

- ☐ 01 - COAL, LIGNITE, AND PEAT
- ☐ 02 - PETROLEUM
- ☐ 03 - NATURAL GAS
- ☐ 04 - OIL SHALES AND TAR SANDS
- ☐ 07 - ISOTOPE AND RADIATION SOURCES

Keywords

natural gas, isotope and radiation

Is the document associated with DOE funded work? ☐ Yes ☐ No

Is the document associated with externally funded work? ☐ Yes ☐ No

Journal Manuscript or Conference Proceeding

Publication Information (To be completed by Submitter)

Name of Publication	Sample Journal
Publication Due Date	3/20/2015
Publication Draft	calendar-time-zone.pdf Adobe Acrobat Document 116 KB

To add a data set to EDX, click here: https://edx.netl.doe.gov/
(This is an external link. The information is not automatically sent to EDX.)

Submitter - Are there restrictions on the release of information? ☐ Yes ☐ No

Caution : Documents in TPR are visible to all who have access to the ORD SharePoint site. Author should determine if this level of access is acceptable for the information being submitted. In addition, some information should not be submitted to OSTI.

Submitter - Would you like to suggest reviewers? ☐ Yes ☐ No

Review Due Date 3/20/2015 (Date by which review(s) need to be completed.)

Suggested Internal Reviewers	Suggested Reviewer's Supervisor	Type of Review
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	Policy
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	Editorial

Submitter Suggested External Reviewers **(External reviews are conducted outside of the TPR system)**

External Reviewer's Name	External Reviewer's Contact Information	Affiliation

Supervisor - The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.

Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? ☐ **Yes** ☐ **No**

Supervisor Reviewers - Are reviewers needed? ☐ Yes ☐ No

Below is the list of reviewer(s) suggested by the Document Owner.

- If the reviewer(s) is acceptable, click **Supervisor Submit** below.
- If a different reviewer is preferred, delete the reviewer and supervisor's name and enter the desired reviewer, his or her supervisor and the type of review needed. Click **Supervisor Submit** below.

Internal Reviewer's Name	Reviewer's Supervisor	Type of Review
		Policy
		Editorial

One of the selected reviewers has declined to review the document, if you would like to add an alternate reviewer, please add the name, supervisor's name and review type below. Click **Supervisor Submit** below.

Review Due Date 3/20/2015 (Date by which review(s) need to be completed.)

Is an external review needed?
(If yes, this review must be completed outside of the TPR system.) ☐ Yes ☐ No

External Reviewer's Name	External Reviewer's Contact Information	Affiliation

Internal Reviewer Name
Angela D. Linsbeck (CONTR)
☐ Accept or ☐ Decline
Reminder : Please save the document for review before submitting the form.

Internal Reviewer Name
Angela D. Linsbeck (CONTR)
☐ Accept or ☐ Decline

Internal Reviewer Name **Angela D. Linsbeck (CONTR)**

Comments
See attached

ORD Re-org chart.pptx
Microsoft PowerPoint Presentation
108 KB

Submitter (Attach draft with Reviewers' comments)

Draft after Review
ORD Organizational Chart.pdf
Adobe Acrobat Document
291 KB

Supervisor Determination

Approved

Confirmed by **Angela D. Linsbeck (CONTR)**

Supervisor Comments to Submitter

Supervisor can attach a document containing additional modifications File Attachment

Submitter (Attach draft sent to the publication)

Note: If there is an FWP selected above, SCC/SCNGO was sent an informational copy upon final approval by your supervisor.

Draft Document to Publication	ORD Re-org chart.pdf Adobe Acrobat Document 102 KB	**Estimated Response Date** 3/20/2015

Submitter - Was the publication accepted? ☐ Yes ☐ No

OSTI Information

Do you want to submit this document to OSTI? ☐ Yes ☐ No

Citation Information:

Citation for *Sample Journal Manuscript*

Please attach the FINAL accepted Publication.	ORD Re-org chart.pptx Microsoft PowerPoint Presentation 108 KB

NETL-4

Technical Product Review (TPR) 2.0

Supervisor Training

January, 2016

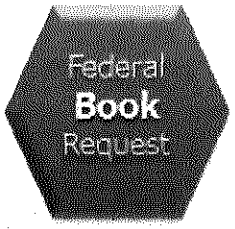
In This Training…

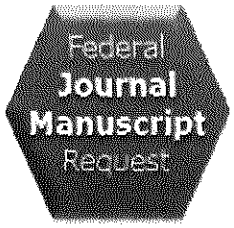
- Goals of TPR
- TPR Dashboard
- Request To Present or Publish
- TPR E-mails
- Supervisor Reports
- Common Issues

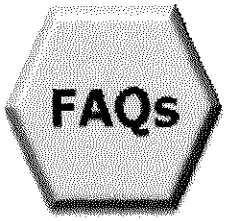
Goals of TPR

- High-quality, R&IC-endorsed research products
- Documents appropriately distributed (e.g., to OSTI)
  - Compliance
    - DOE Order 241.1B (Scientific &Technical Information Management)
    - DOE Public Access Plan
- Useful management tool (data mining)
  - Common database for all documents produced under DOE funding passing through R&IC

My TPR 2.0 Dashboard







Points of Contact

Cathy A. Summers
Angela D. Linsbeck

My Requests in Progress

You have NO Requests in Progress.

Requests Awaiting My Review or Approval

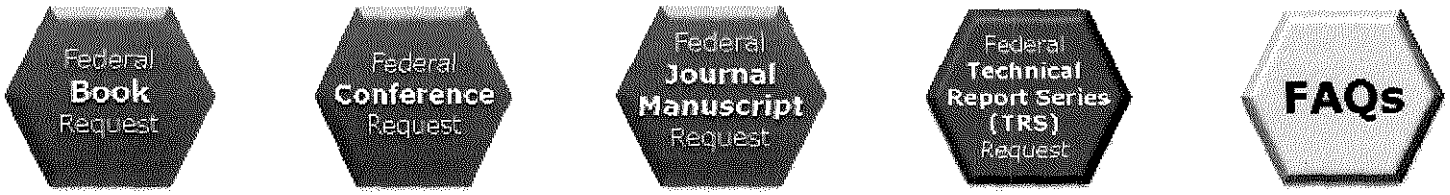
You have NO Requests Awaiting Review or Approval.

TPR Links

- MyTPRDashboard
- MyTPRHelp
- MyTPRReports
- MyTPRArchive
- SearchTPR
- Guidance for Authors of Technical Papers
- Old Publication Archive

Supervisor Dashboard

My TPR 2.0 Dashboard



My Requests in Progress

Link to Form	Title of Document	Document Type	Modified	Status
Test-NETL-PUB-20243	Test	Conference Presentation and/or Conference Proceeding	1/13/2016 12:00 PM	Waiting for Supervisor Review

Requests Awaiting My Review or Approval

Link to Form	Title of Document	Document Owner	Document Type	Modified	Status
Test-NETL-PUB-20243	Test	Linsbeck, Angela D. (CONTR)	Conference Presentation and/or Conference Proceeding	1/13/2016 12:00 PM	Waiting for Supervisor Review

Supervisor Approval E-mail

Reply Reply All Forward IM

Wed 1/13/2016 12:00 PM

Technical Product Review (TPR) 2.0 <webapps@netl.doe.gov>

NETL-PUB-20243: Request to Present or Publish (RPP) for Conference Presentation

To **Summers, Cathy**

Cc Linsbeck, Angela D. (CONTR)

This item will expire in 29 days. To keep this item longer apply a different Retention Policy.

Summers, Cathy

Linsbeck, Angela D. (CONTR) has continued the Request to Publish or Present (RPP) for the conference presentation or poster titled *Test*. Please click here to see the submission and submit the document for review.

Please select reviewers and submit it for review. If it does not need additional review, please approve or suggest additional modifications to the author.

Others cc'd on this email: This notification is for information purposes only.

If you have trouble with this form or the TPR site, please click here to find help.

Request to Present or Publish

Request to Present or Publish

General Information (To be completed by Submitter)

Submitter	ORCID#	Publication No	Date
Linsbeck, Angela D. (CONTR)		NETL-PUB-20243	1/13/2016

What document or product do you plan to prepare? Select...

Title of Article or Presentation

Shortened Title ***(Notification subject line - please limit to 75 characters)***

Fiscal Year 2016

Site Select...

Program Office FE - USDOE Office of Fossil Energy (FE)

(For the Team field, oOnly choose a **Directorate** if you are a *Supervisor* submitting the request or the **Research & Innovation Center** if you are an *Associate Director* submitting the request.)

Team | **Supervisor** | **Team Org Code**

Directorate | **Associate Director**

Click here to add another Directorate

Click here to add another Directorate

Document Owner *The system will send notifications to this* ...on.)

(If the name is correct, but red, click on the checkmark.)

Linsbeck, Angela D. (CONTR)

Request Supervisor Section - Abstract

Conference Abstract

Is an abstract required? Yes No

Conference Abstract Information (To be completed by Submitter)

Conference Name	Sample Conference
Conference Location (City, State)	Morgantown, WV
Date(s)	1/21/2016 to
Abstract Due Date	1/22/2016
Abstract Draft	Research & Innovatior Adobe Acrobat Docun 118 KB

Submitter - Are there restrictions on the release of information? Yes No

Click here for Examples of Restrictions

Caution: Documents in TPR are visible to all who have ac determine if this level of access is acceptable for the info information should not be submitted to OSTI.

Submitter Comments to Supervisor:

Double click on attachment to review document

Supervisor *– The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.*

Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? Yes No

Supervisor Determination (Abstract)

Approved

Supervisor Comments to Submitter

Supervisor can attach a document containing additional modifications Click here to attach a file

Supervisor Submit

Helpful Links and Explanations

Conference Presentation or Poster

Conference Presentation or Poster Information (To be completed by Submitter)

Conference Name	Sample Conference
Conference Location (City, State)	Morgantown, WV
Date(s)	1/21/2016 to

Presenters' Names

Linsbeck, Angela D. (CONTR)

Insert item

Oral Presentation Only ☑ Poster Only

Presentation or Poster Draft Research & Innovation Center Or Adobe Acrobat Document 118 KB

To add a data set to EDX, click here: https://edx.netl.doe.gov/
(This is an external link. The information is not automatically sent t

Submitter - Are there restrictions on the release of information? ○ Y

Click here for Examples of Restrictions

Caution: Documents in TPR are visible to all who have access to the R&. determine if this level of access is acceptable for the information being s information should not be submitted to OSTI. *Not sure? Click here*

Examples of Restrictions

Below are several examples of information that may be restricted and guidance to authors on handling such cases. Author should discuss other cases or any concerns with his/her supervisor.

1. Information developed entirely under non-NETL funding subject to contractual requirements; e.g., CRADAs and MOUs may limit what, when, and by whom information can be released. Author should:
   a. Comply with the terms of contract documents
   b. Upload only a cover page if document contains sensitive information
   c. NOT release final accepted manuscript to OSTI
2. Unprotected intellectual property (IP); e.g., potentially patentable information. Author should:
   a. Contact PASOD for information on how best to protect information
   b. Revise the paper/presentation, OR upload only the cover page of the document to TPR
   c. NOT release final accepted manuscript to OSTI until such time as disclosure is approved by PASOD experts
3. Preliminary data; e.g., data presented at a conference that will be published later. Author should:
   a. Use discretion in determining whether to upload presentation to TPR
   b. NOT release final conference presentation to OSTI

Return to Form

Request Supervisor Section – Requesting Reviews for Conference Presentations, Journal Manuscripts, and Conference Papers

Supervisor – The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.
Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? ◉ Yes ○ No

Supervisor Reviewers - Are reviewers needed? ◉ Yes ○ No

Below is the list of reviewer(s) suggested by the Document Owner.

- If the reviewer(s) is acceptable, click **Supervisor Submit** below.
- If a different reviewer is preferred, delete the reviewer and supervisor's name and enter the desired reviewer, his or her supervisor and the type of review needed. Click **Supervisor Submit.**

Internal Reviewer	Reviewer's Supervisor	Type of Review ?
Linsbeck, Angela D. (CONTR)	Stiles, David B. (CONTR)	Policy

Review Due Date 1/29/2016 (Date by which review needs to be completed.)

Supervisor - Is an external review needed?
(If yes, this review must be completed outside the TPR system.) ○ Yes ◉ No

Supervisor Submit

Request Supervisor Section – Requesting Reviews for a TRS

Supervisor – The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.
Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information, including the need for a protected version, listed above? ○ **Yes** ○ **No**

Supervisor Review Determination

Below is the list of reviewer(s) suggested by the Document Owner. The Supervisor must assure that TRS documents are sufficiently reviewed for Editorial, Policy and Technical accuracy before distribution outside of NETL. Choose one of the options below:

◉ The document(s) need(s) review.

- If the reviewer(s) suggested by the Document Owner are acceptable, click **Supervisor Submit** below.
- If a different reviewer is preferred, delete the reviewer and supervisor's name and enter the desired reviewer, his or her supervisor and the type of review needed. Click **Supervisor Submit.**

○ Reviews have already been completed. Enter the name(s) of those reviewers in the comment box, complete Supervisor's Determination and click **Supervisor Submit.**

Internal Reviewer	Reviewer's Supervisor	Type of Review ?

Review Due Date 9/16/2015 (Date by which review needs to be completed.)

Supervisor - Is an external review needed? ○ Yes ○ No
(If yes, this review must be completed outside the TPR system.)

Supervisor Submit

Supervisor Sections - Summary

Conference

- Abstract (if required) – Agree with restrictions determination, approve abstract
- Presentation – Agree with restrictions determination, determine need for reviewers, approve presentation
- Conference paper (if appropriate) – Agree with restrictions determination, determine need for reviewers, and approve paper

Journal manuscript

- Agree with restrictions determination, determine need for reviewers, and approve manuscript

Book Chapter

- Summary and/or proposal (if required) – Approve
- Chapter – Determine need for reviewers, approve

TRS

- Abstract (if required) – Agree with restrictions determination, approve abstract
- Report – Document reviewers or send for review, approve technical report

TPR Form Error

release of information listed above? Yes No

Supervisor Reviewers - Are reviewers needed? Yes No

Below is the list of reviewer(s) suggested by the Document Owner.

- If the reviewer(s) is acceptable, click **Supervisor Submit** below.
- If a different reviewer is preferred, delete the reviewer and supervisor's name and enter the desired reviewer, his or her supervisor and the type of review needed. Click **Supervisor Submit** below.

Internal Reviewer's Name	Reviewer's Supervisor	Type of Review
Angela D. Linsbeck (CONTR)	ADMIN\linsbeca	

Review Due Date 4/17/2015 (Date by which review(s) need to be completed.)

Is an external review needed?
(If yes, this review must be completed outside of the TPR system.) Yes No

External Reviewer's Name	External Reviewer's Contact Information	Affiliation

Click here to add an External Reviewer

Supervisor Submit

TPR Help

Reference Documents

Type	Name
Category : **Sample Forms** (4)	
	Book Chapter Sample Form
	Conference Sample Form
	Journal Sample Form
	TRS Sample Form
Category : **Templates** (2)	
	NRAP TRS Template
	ORD TRS Template
Category : **Training Presentations** (3)	
	September 2015 OSTI Training for Researchers and E-link Users
	Supervisor Training 08042015
	TPR Training Presentation
Category : **Workflows** (4)	
	Book Chapter Flowchart
	Conference Paper Flowchart
	Conference Presentation Flowchart
	Journal Manuscript Flowchart

Frequently Asked Questions

Date Posted	Question	Answer
7/21/2015	When opening the form, I get the following error: "The form cannot open because either the signature is corrupt, or the certificate used	**In order to clear this error, the temporary InfoPath cache (files) on your computer needs to be cleared.** **Please complete the following steps (see attachment for**

Points of Contact

Cathy A. Summers
Angela D. Linsbeck

TPR Links

- MyTPRDashboard
- MyTPRHelp
- MyTPRReports
- MyTPRArchive
- SearchTPR
- Guidance for Authors of Technical Papers
- Old Publication Archive

TPR Reports

General Reports

- All Requests by Division
- All Requests Cancelled
- All Requests in Progress
- All Requests Uploaded to OSTI
- All Requests With an FWP
- My Complete TPR Requests
- My TPR Requests in Progress
- Requests for FY2015

TPR Reports By Division

- Computational Science & Engineering Division
- Crosscutting Research Support Division
- CRSD - Laboratory Engineering Branch
- CRSD - Laboratory Safety Branch

Points of Contact

Cathy A. Summers
Angela D. Linsbeck

TPR Links

- MyTPRDashboard
- MyTPRHelp
- MyTPRReports
- SearchTPR
- Guidance for Authors of Technical Papers
- NOI Archive

TPR Search

Strategic Partnership Projects and Tech Transfer | Workspaces | Help

This Site: Technical Pro

To search only the TPR site, be sure to uncheck All Sites and check TPR.

Find TPR Requests that have...

All of these words:
The exact phrase:
Any of these words:
None of these words:

Narrow the search to TPR...

You need to uncheck the All Sites box and check the TPR box

☐ All Sites
☑ TPR

Result type: All Results

Add property restrictions...

Where the Property... (Pick Property) Contains
And

Points of Contact

Cathy A. Summers
Angela D. Linsbeck

TPR Links

- MyTPRDashboard
- MyTPRHelp
- MyTPRReports
- SearchTPR
- *Guidance for Authors of Technical Papers*
- NOI Archive

Common Mistake #1

Supervisor chooses "Approved" when it isn't

Supervisor – The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.
Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? ◉ Yes ○ No

Supervisor Reviewers - Are reviewers needed? ○ Yes ◉ No

Supervisor Determination (Presentation or Poster)

Approved

Supervisor Comments to Submitter
Suggested changes are contained in the attached document.

Supervisor can attach a document containing additional modifications

Book-OTS-step-mods.docx
Microsoft Word Document
24.9 KB

Supervisor Submit

Common Mistake #1 Outcome

- Workflow continues
- If final approval (of presentation or publication)
  - Informational copy to sponsor
- Email to submitter
  - Delayed by 7 days
  - "Approved! Send to conference/publisher"

Common Mistake #2

Process is Initiated Too Late

- TPR's first request: upload abstract or publication draft
- What's happening: presentations, posters, papers ready for publisher, copyrighted pdfs are attached
- The submitter should initiate the process as soon as he/she has a document ready for supervisor review
  - For conference: abstract (if required); presentation (if no abstract required)

Common Mistake #2 Outcome

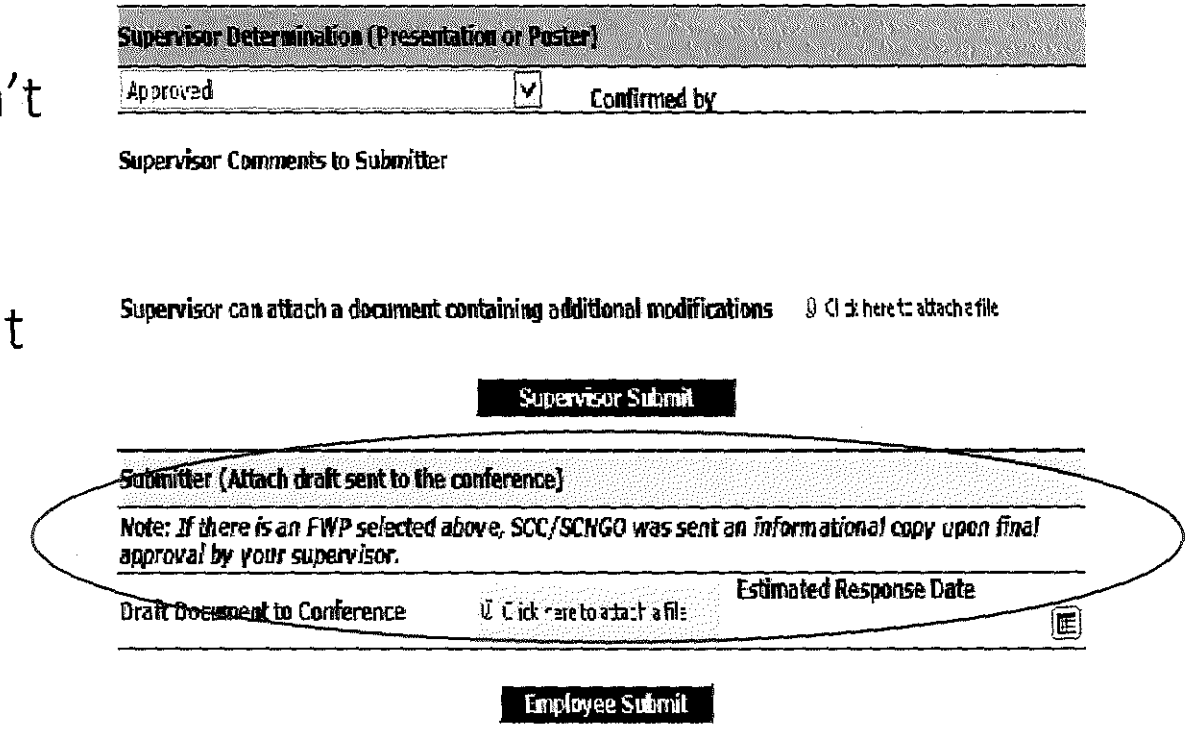
- TPR may have no record of abstract approval (for conference submission)
- Submitter thinks he/she is done; doesn't add important dates
  - TPR doesn't sent reminders
  - Submitter doesn't record abstract acceptance, enter presentation, poster, or final accepted manuscript*
- Document doesn't make its way to OSTI

**The final manuscript with all changes made during peer review but without any publisher formatting or copyright markings.*

Common Mistake #3

Process Initiated But Not Continued

- Supervisor doesn't approve
- Submitter doesn't continue process



Common Mistake #3 Outcome

- No record of submittal or approval of the request
- TPR doesn't send reminders
- Workflow design
  - System emails submitter when supervisor approves
  - System uses dates entered by submitter
    - Reminders to upload presentation (conference)
    - Reminders to upload revised manuscript (journal)

Common Mistake #4

TPR Not Used

- Approximately 50% of NETL publications that appeared in Web of Science in 2014 were not in OSTI

- Outcomes
  - Non-compliance
  - After-the-fact entries – few accepted manuscripts
  - Our publications are not available

Status FY15 - Q4

AECOM report on publications by Federal employees

- 9 pubs on Web of Science
- All but 2 were entered in TPR
- Only 2 in OSTI – actions aren't being completed

Important Points

- Federal employees should initiate a TPR action whenever they generate an abstract or a draft publication.
- Supervisors should select "Approved" **only** if a document is ready to be released as-is.
- Users should follow **all** instructions provided in system-generated emails.
- POCs are available to help you if you have problems.

  - Angela Linsbeck - for technical problems
  - Cathy Summers - for process questions

LIVE
DEMO

ORD SharePoint Site
TPR Form Checklist/Worksheet
Job Aid

Information needed for the main TPR form:

	Title of article or presentation	
	DOE Program Office	
	Site (Morgantown, Pittsburgh, or Albany)	
	Authors/authors' emails	
	Division	
	Focus Area	
	Team (optional)	
	Subteam (optional)	
	OSTI Subject Area	
	Is there a CRADA involved? *If so, ensure that you have documentation that the CRADA partners have reviewed the paper*	
	Are there restrictions on the information?	
	Type of restrictions (if applicable)	

Information needed for the Journal/Book Publication form:

	Type of publication	
	Name of publication	
	Names of reviewers, if it has been reviewed	
	Comments	
	Draft of publication for approval	

Information needed for the Conference/Presentation/Other form:

	Meeting name	
	Meeting location	
	Meeting dates	
	Presenters' names	
	Type of presentation (oral or poster)	
	Will the abstract be published?	
	Comments	
	Draft of abstract for approval	

Old TPR Process (2014)

Description- This process outlines the steps to be taken when uploading a paper into TPR, and eventually into OSTI. This process outlines the personnel involved and their responsibilities.

Work Process-

1. Author decides if paper/presentation will be submitted to a journal or if it is intended for presentation at a conference.

2a. If it is being sent to a journal, or if it is a chapter in a book, the author will fill out a SharePoint Notice of Intent form and upload the draft paper.

2b. If it is intended for a conference, the author will fill out a SharePoint Notice of Intent form and upload the abstract. The author will also indicate if a paper is going to be prepared and submitted, or not.

3. Author decides whether or not he thinks there is any potentially patentable information in the paper. If yes, file a notice of invention; if not, refer to step four.

4. Supervisor reads the paper/abstract and decides if he/she agrees with the author's judgment regarding potentially patentable information. If the supervisor agrees that it does/will not contain potentially patentable information, move to step five. If not, the author should be instructed to file a notice of invention. Since publishing/public disclosure starts a one year clock for patenting in the U.S. and kills patenting rights outside the U.S., the decision may be made to modify the paper so that potentially patentable information is not revealed.

Also, at this stage, if there is a CRADA involved, the supervisor should ensure that the requirements of the CRADA are being met. This may require that the CRADA partner(s) have adequate time to review the paper/presentation if they have not already done so. Also, if there are any restrictions on release of information, this should be noted so that the division's administrator can upload the final document to OSTI with those restrictions noted. Pertinent correspondence with the CRADA partner documenting their feedback/approval should be uploaded to document their buy-in, just in case there is a dispute afterwards.

5. Supervisor will decide whether or not paper/presentation is appropriate for the intended venue. If not appropriate, paper/presentation is rejected. If approved in concept, and it is intended for a journal, move to step 6.

a. If it is intended for a conference, and no paper is going to be published, the supervisor gives approval for the abstract to be submitted to the conference. Assuming it is accepted by the conference, the supervisor may wish to review the presentation/poster. Once it is approved, the final version of the presentation/poster should be uploaded to the SharePoint site so that it can later be uploaded to OSTI.

b. If it is intended for a conference, and a paper is going to be published, the supervisor gives approval to the author to submit the abstract and to prepare a draft paper/presentation. Once the draft paper and/or presentation is completed, the draft paper is uploaded and the process starts again at step 3.

6. Supervisor decides if paper/presentation should be reviewed before it leaves NETL, only externally reviewed by the journal/conference's reviewers, or be reviewed both internally and externally, in parallel. If the supervisor feels that having it only externally reviewed by the journal/conference's reviewers is appropriate, it moves to step 8. If an NETL review is desired, it moves to step 7.

7. Supervisor implements NETL review using e-mail. When the supervisor receives the reviews, he/she will provide those comments/suggestions to the author along with his/her recommendations.

8. When the revisions (if any) are implemented, the paper/presentation can be submitted. A copy should be uploaded to the SharePoint site to keep the file up-to-date.

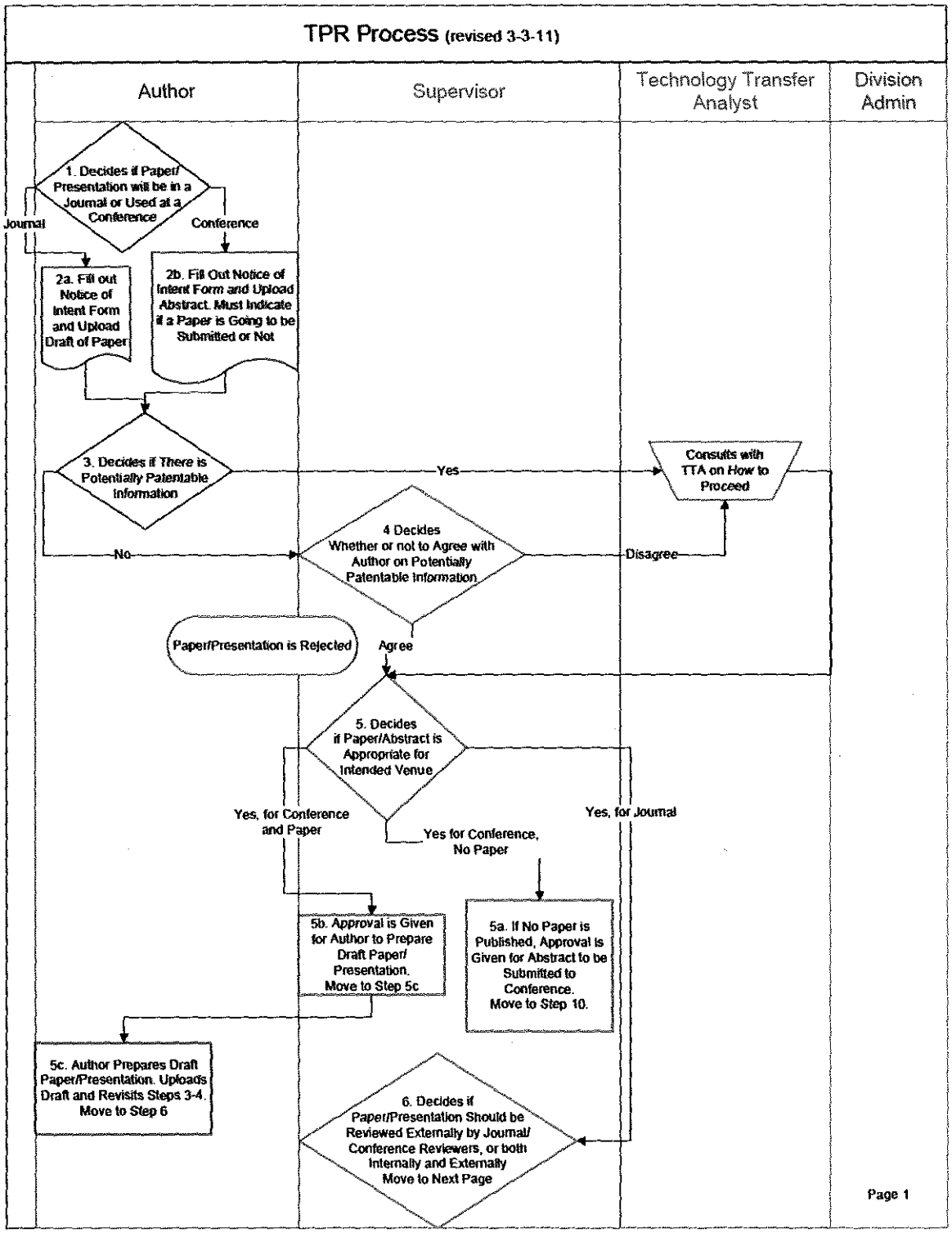
9. After the external reviewers' comments are received and incorporated, the paper/ presentation is finalized by the author, who uploads a copy. If the Supervisor has indicated a desire to review the final product, this is the time for that.

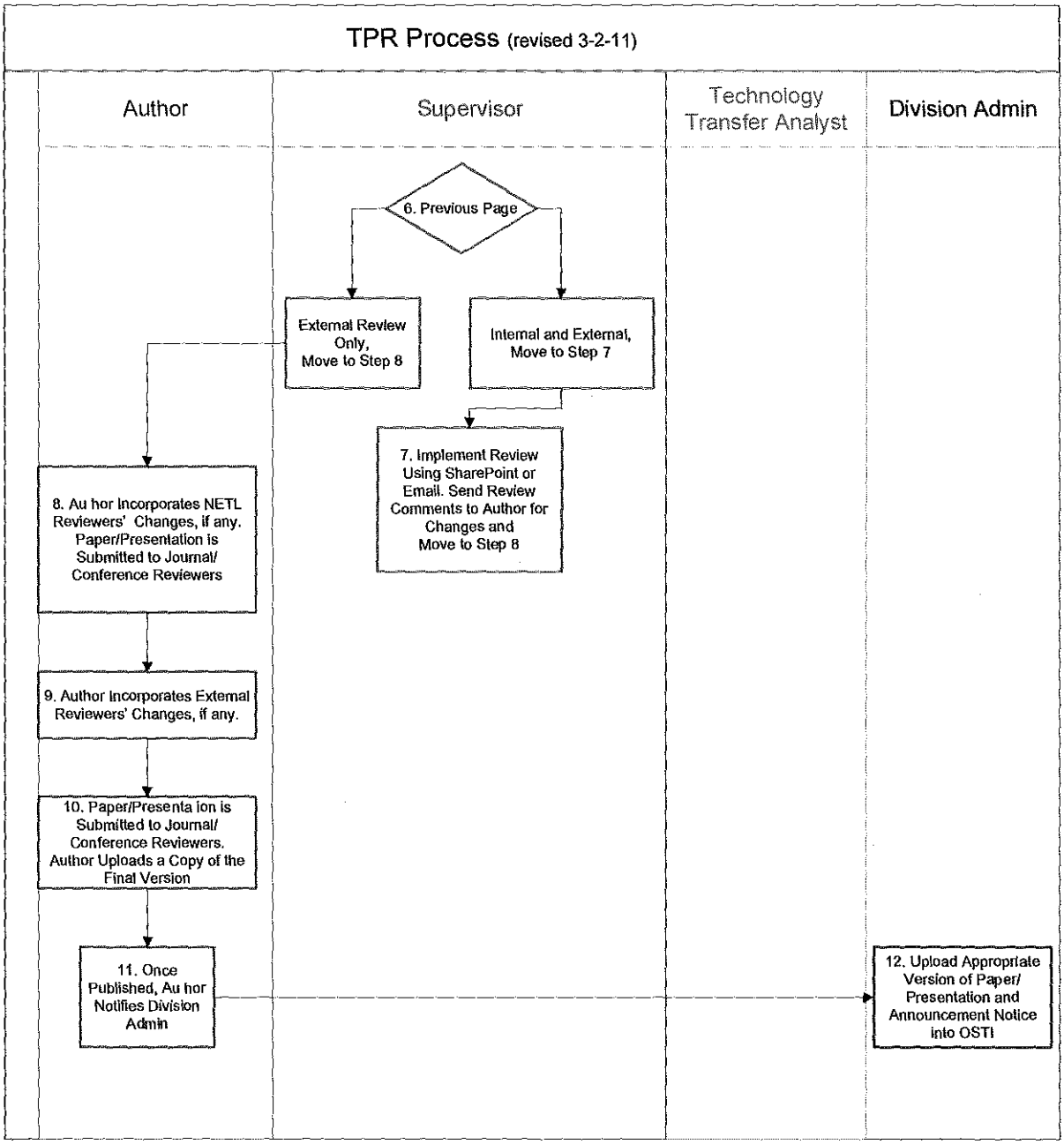
10. The author will then submit the final product and upload a copy of the final submitted version to the SharePoint site. In most cases, this is the version that will be uploaded to OSTI once the paper has been published since there are no possible copyright issues.

11. When the paper is published, the author notifies the division's administrative person, and provides a copy of the published paper so that pertinent information, such as page numbers, can be added to the OSTI announcement notice.

12. The appropriate version (from step 9) should be uploaded to OSTI along with the OSTI announcement notice.

Questions about the process? Contact: Cathy Summers, 541-967-5844


TPR Process (revised 3-3-11)
Author
Supervisor
Technology Transfer Analyst
Division Admin
1. Decides if Paper/ Presentation will be in a Journal or Used at a Conference
Journal
Conference
2a. Fill out Notice of Intent Form and Upload Draft of Paper
2b. Fill Out Notice of Intent Form and Upload Abstract. Must Indicate if a Paper is Going to be Submitted or Not
3. Decides if There is Potentially Patentable Information
Yes
Consults with TTA on How to Proceed
No
4 Decides Whether or not to Agree with Author on Potentially Patentable Information
Disagree
Paper/Presentation is Rejected
Agree
5. Decides if Paper/Abstract is Appropriate for Intended Venue
Yes, for Conference and Paper
Yes for Conference, No Paper
Yes, for Journal
5b. Approval is Given for Author to Prepare Draft Paper/ Presentation. Move to Step 5c
5a. If No Paper is Published, Approval is Given for Abstract to be Submitted to Conference. Move to Step 10.
5c. Author Prepares Draft Paper/Presentation. Uploads Draft and Revisits Steps 3-4. Move to Step 6
6. Decides if Paper/Presentation Should be Reviewed Externally by Journal/ Conference Reviewers, or both Internally and Externally Move to Next Page
Page 1


TPR Process (revised 3-2-11)
Author
Supervisor
Technology Transfer Analyst
Division Admin
6. Previous Page
External Review Only, Move to Step 8
Internal and External, Move to Step 7
7. Implement Review Using SharePoint or Email. Send Review Comments to Author for Changes and Move to Step 8
8. Au hor Incorporates NETL Reviewers' Changes, if any. Paper/Presentation is Submitted to Journal/ Conference Reviewers
9. Author Incorporates External Reviewers' Changes, if any.
10. Paper/Presenta ion is Submitted to Journal/ Conference Reviewers. Author Uploads a Copy of the Final Version
11. Once Published, Au hor Notifies Division Admin
12. Upload Appropriate Version of Paper/ Presentation and Announcement Notice into OSTI

ORD Notice of Intent (NOI) & Publications Division Director & Alternate Division Director Review / Approval Guide

Reviewing / Completing the Notice of Intent (NOI) form

1. **When a Notice of Intent is submitted, the Division Director will receive a request for approval from Research Publications (see below) and the alternate Division Director will receive a copy of the request for approval. Click on the name of the Notice of Intent form on the e-mail (NETL-PUB-.....) to review and/or complete it.**

   Note: The e-mail will state whether it is for a Conference or Journal. There will also be a "Type of NOI" field next to the title of the Article or Presentation that will state either Conference or Publication.

Division Director Request for Approval

From: Research Publications <SharePoint@NETL.DOE.GOV> 5/1/2011 2:05 PM
To: Linsbeck, Angela
Subject: Computational Science Division Task List - Please approve NETL-PUB-67 - Ang... has been assigned to you

Task assigned by Angela Linsbeck on 5/1/2011.
Due by 5/8/2011.

Please approve this Notice of Intent and abstract (which is attached to the Notice of Intent form) for a Conference, Presentation or Other Document.

To complete this task:

Notice of Intent Form

1. Review NETL-PUB-67 - Angela Linsbeck.xml.
2. Perform the specific activities required for this task.
3. Edit this task to mark the task as completed.

Alternate Division Director's Copy of Request for Approval

From: Research Publications <SharePoint@NETL.DOE.GOV> 4/27/2011 4:21 PM
To: Kovatch, Marianne
CC: Linsbeck, Angela
Subject: DD Approval Request for Journal, Book or Other Publication started on NETL-PUB 47 - Marianne Kovatch.

DD Approval Request for Journal, Book or Other Publication has started on NETL-PUB 47 - Marianne Kovatch.

Participants are Marianne Kovatch
Each person will get 7 days

Each person will receive a task to approve NETL-PUB 47 - Marianne Kovatch. The tasks will be assigned one at a time in the order shown above.

View the status of this workflow.

2. **If it is for a Conference, click on the [Conference, Presentation, Other] button on the form to review the presentation.**
3. **If it is for a Publication, click on the [Journal/Book Publication] button on the form to review the article.**
4. **Once the presentation or article is opened, it can be saved, if necessary for further review.**
5. **On the NOI form, the Division Director needs to make a determination of whether the document contains patentable material. This section is on the first page of the form.**

Author - Does the document contain potentially patentable material? ○ Yes ◉ No

Division Director - Does the document contain potentially patentable material? ○ Yes ○ No

If the author or Division Director believes the document contains potentially patentable material, please fill out a Report of Invention form and e-mail it to inventions@netl.doe.gov. Public disclosure before a patent application (not a Report of Invention) is filed with the USPTO (not with NETL) starts a one year clock for patenting in the U.S. and removes patenting rights outside the U.S. You may be advised to modify the paper so that potentially patentable information is not revealed.

6. **If it is a publication, the Division Director needs to determine the type of review.**

Division Director - How should the publication be reviewed?

- ○ Internally reviewed before being submitted externally
- ○ Internally reviewed in parallel with the external review that will be conducted by the publisher
- ○ The paper can be sent in for consideration by the publisher

(Click here for additional instructions)

Review Instructions

Review Instructions

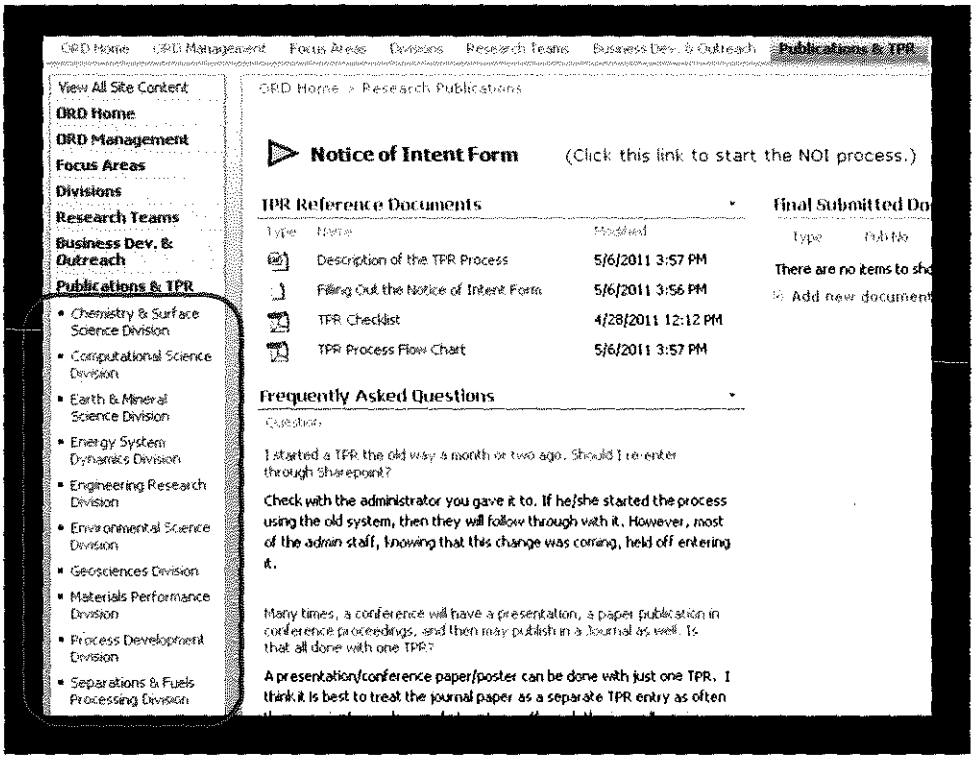
If you wish to have the paper internally reviewed before it is submitted, please select the first line and e-mail the paper to the reviewers. That way, when you receive the reviews, you can either forward them to the author or copy their comments and keep the reviewer anonymous, as you see fit. The author will not be authorized to submit the paper until you give permission and it is your responsibility to see to it that the reviews are conducted in a timely manner.

If you wish to have the paper internally reviewed at the same time that is being externally reviewed, select the second line that says you want the paper reviewed internally in parallel with the external review, and initiate the internal review process by e-mail.

If you believe that the paper does not need any additional internal review, please just select the third line.

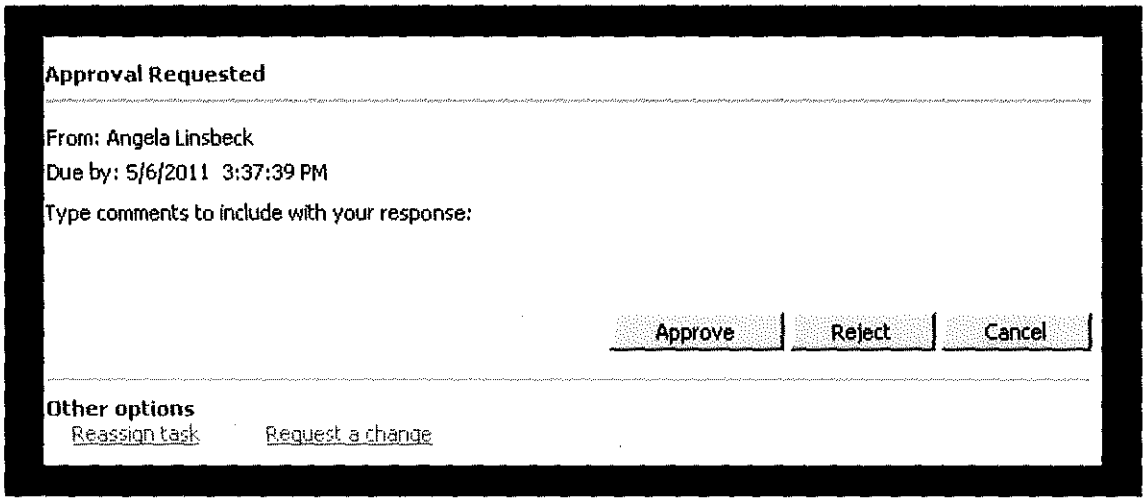
7. **After reviewing the document and making the necessary selections on the form, click [Submit]. This ensures the Division Director's selections are submitted to the database.**

8. **You can review all the forms submitted in your Division from the ORD SharePoint Site. Click on the [Publications & TPR] Tab and on the appropriate Division on the left. (See the last page for an example of a Division's Publication page.)**

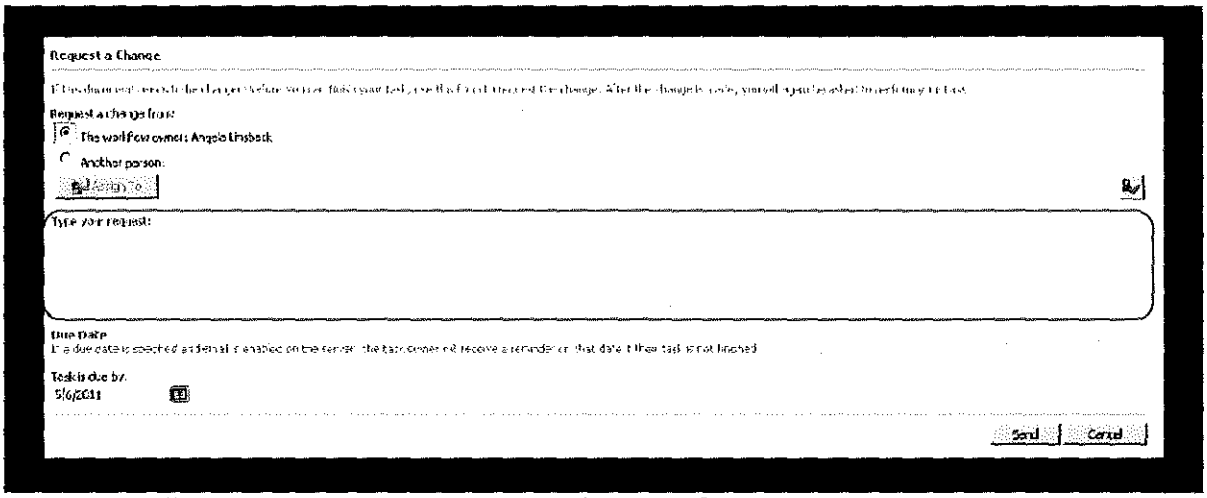


Approving / Rejecting / Requesting A Change to a Presentation or Article

1. **After reviewing the article and submitting the Notice of Intent Form, click on [Edit the Task] in the e-mail, which will open the task window in the ORD SharePoint site (see below).**
2. **An alternate Division Director will have to edit the task by either clicking on [View the Status of this workflow] on the e-mail or the division page on the ORD SharePoint site.**
3. **The Division Director can Approve, Reject or Request a Change. To Approve or Reject the Notice of Intent, click on the appropriate button. If necessary, comments can be added.**



4. **If the Division Director would like the author to make changes before submitting it to the conference or publisher, he or she should click on the [Request a Change] link. The Division Director would then list the changes in the "Type your request:" box. The Division Director can change the task is due date, if necessary. Click [Send].**



5. **The author will receive an e-mail with the status of the workflow – Approved, Rejected or Change Requested – and the comments, if any.**
6. **If a change has been requested, the author will make the changes, re-submit the form, edit the task, and the Division Director will get another approval request.**

Example of a Division's Publication Page

A user can click here to [Edit the task].

Computational Science Division Task List

Title	Assigned To	Start Date	Due Date	Link	Status	Outcome
Please approve NETL-PUB-10 - Stephen Zitney	Chris Guenther	5/4/2011	5/11/2011	NETL-PUB-10 - Stephen Zitney	Completed	Approved by Chris Guenther
Please approve NETL-PUB-11 - Stephen Zitney	Chris Guenther	5/4/2011	5/11/2011	NETL-PUB-11 - Stephen Zitney	Completed	Approved by Chris Guenther
Please approve NETL-PUB-12 - Stephen Zitney	Chris Guenther	5/4/2011	5/11/2011	NETL-PUB-12 - Stephen Zitney	Completed	Approved by Chris Guenther
Please approve NETL-PUB-13 - Stephen Zitney	Chris Guenther	5/5/2011	5/12/2011	NETL-PUB-13 - Stephen Zitney	Completed	Approved by Chris Guenther
Please approve NETL-PUB-2 - Sofiane Benyahia	Chris Guenther	5/2/2011	5/9/2011	NETL-PUB-2 - Sofiane Benyahia	Completed	Approved by Chris Guenther
Please approve NETL-PUB-8 - Stephen Zitney	Chris Guenther	5/4/2011	5/11/2011	NETL-PUB-8 - Stephen Zitney	Completed	Rejected by Chris Guenther
Please approve NETL-PUB-9 - Stephen Zitney	Chris Guenther	5/4/2011	5/11/2011	NETL-PUB-9 - Stephen Zitney	Completed	Approved by Chris Guenther

Computational Science Division NOI Forms (Journal)

Type	Pub No	Name	Title of Document	Author	Date of NOI	NOI Submitter	DD Approval Request for Journal, Bo
	NETL-PUB-8	NETL-PUB-8 - Stephen Zitney	Rigorous-simulation pinch-technology refined approach for process synthesis of the water-gas shift reaction system in an IGCC process with carbon capture	Salazar, Juan M. Diwekar, Urmila M. Zitney, Stephen E.	5/4/2011	Stephen Zitney	Rejected

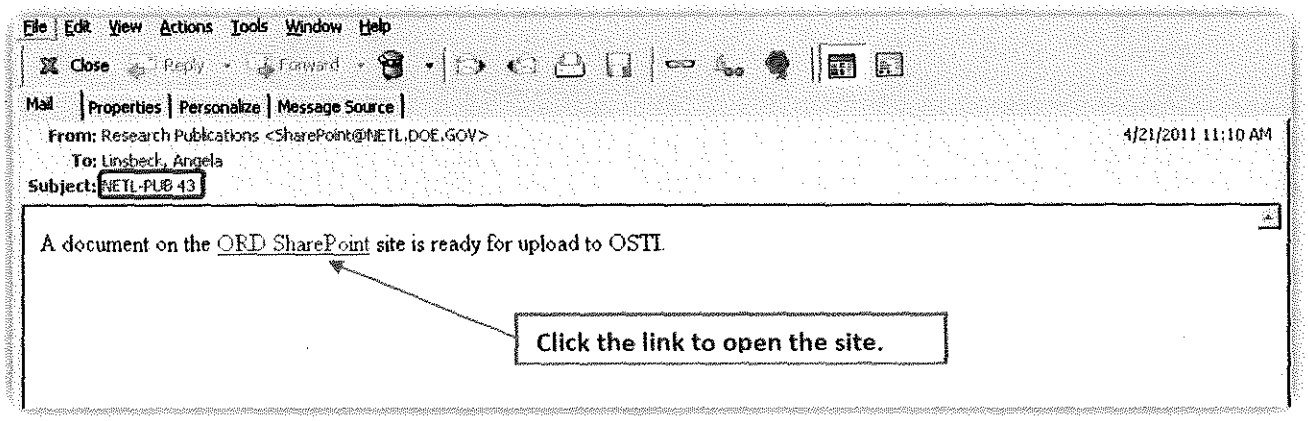
Computational Science Division NOI Forms (Conference)

Type	Pub No	Name	Title of Document	Author	Date of NOI	NOI Submitter	DD Approval Request for Conference, Presentat
	NETL-PUB-10	NETL-PUB-10 - Stephen Zitney	Multiple Model Predictive Control of Air Separation Unit As Part of IGCC Power Plant During Rapid Load Changes	Mahapatra, Priyadarshi Bequette, B. Wayne Zitney, Stephen E.	5/4/2011	Stephen Zitney	Approved
	NETL-PUB-11	NETL-PUB-11 - Stephen Zitney	Application of Model Predictive Control for Rapid Combined-Cycle Load Following Using Custom Dynamic Models In Process-Simulation Software Environment	Mahapatra, Priyadarshi Bequette, B. Wayne Zitney, Stephen E.	5/4/2011	Stephen Zitney	Approved
	NETL-PUB-12	NETL-PUB-12 - Stephen Zitney	Constrained Nonlinear State Estimation of an Acid Gas Removal Process as part of an Integrated Gasification Combined Cycle (IGCC) Power Plant with CO2 Capture	Paul, Prokash Bhattacharyya, Debangsu Turton, Richard Zitney, Stephen E.	5/4/2011	Stephen Zitney	Approved
	NETL-PUB-13	NETL-PUB-13 - Stephen Zitney	Advanced Virtual Energy Simulation, Training, and Research: IGCC with CO2 Capture Power Plant	Zitney, Stephen E. Liese, Eric A. Mahapatra, Priyadarshi Turton, Richard Bhattacharyya, Debangsu Provost, Graham	5/5/2011	Stephen Zitney	Approved
	NETL-PUB-2	NETL-PUB-2 - Sofiane Benyahia	Fine-Grid Simulations of Gas-Solids Flow In a Circulating Fluidized Bed	benyahia, sofiane	5/2/2011	Sofiane Benyahia	Approved
	NETL-PUB-9	NETL-PUB-9 - Stephen Zitney	Optimization of IGCC with CFD Based ROM	Lang, Yi-dong Zitney, Stephen E. Biegler, Lorenz T.	5/4/2011	Stephen Zitney	Approved

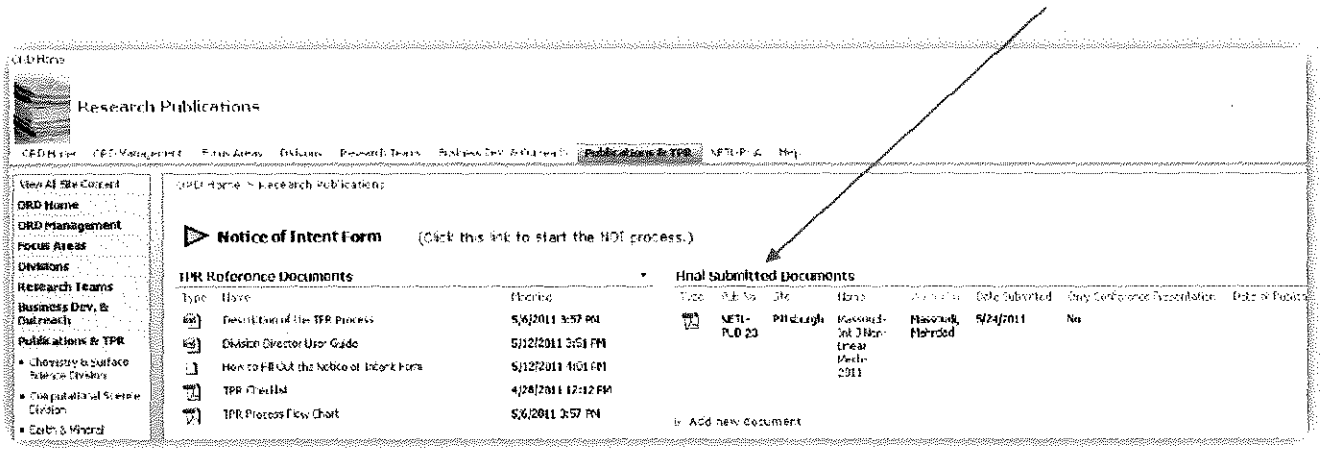
A user can click here to [Review a Notice of Intent Form].

ORD Notice of Intent (NOI) & Publications
OSTI Admin Guide

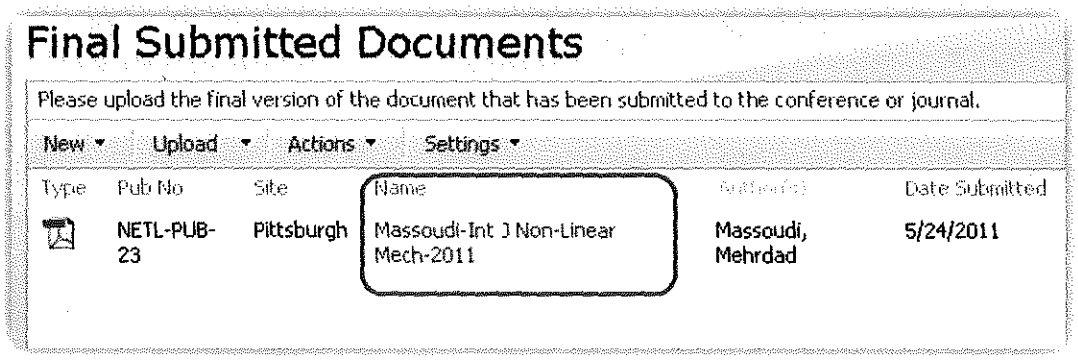
1. **When a document is ready for upload to OSTI, the site OSTI Admin(s) will receive an e-mail. The OSTI Admin and the two alternates for the selected site will all receive the same e-mail. (See below)**



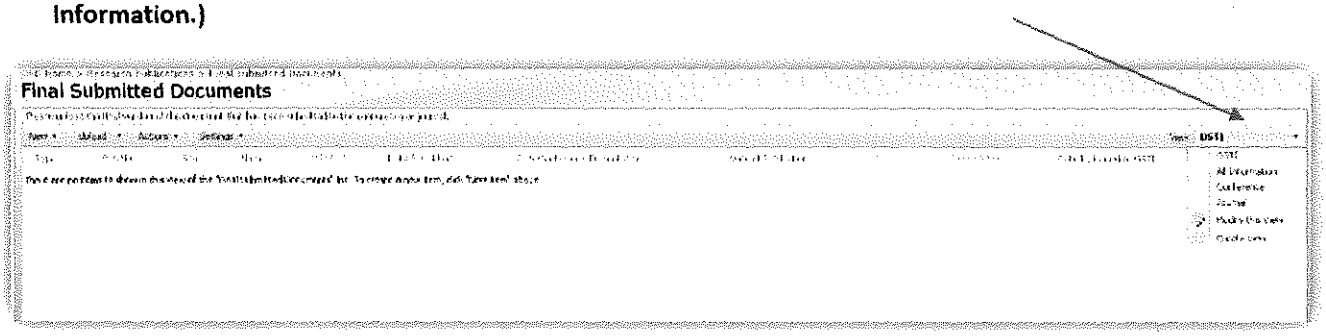
2. **The NETL-PUB-... will always be the reference number for the document.**
3. **Click on the ORD SharePoint link and log in. Click on the Publications & TPR tab.**
4. **Click on the heading for Final Submitted Documents.**



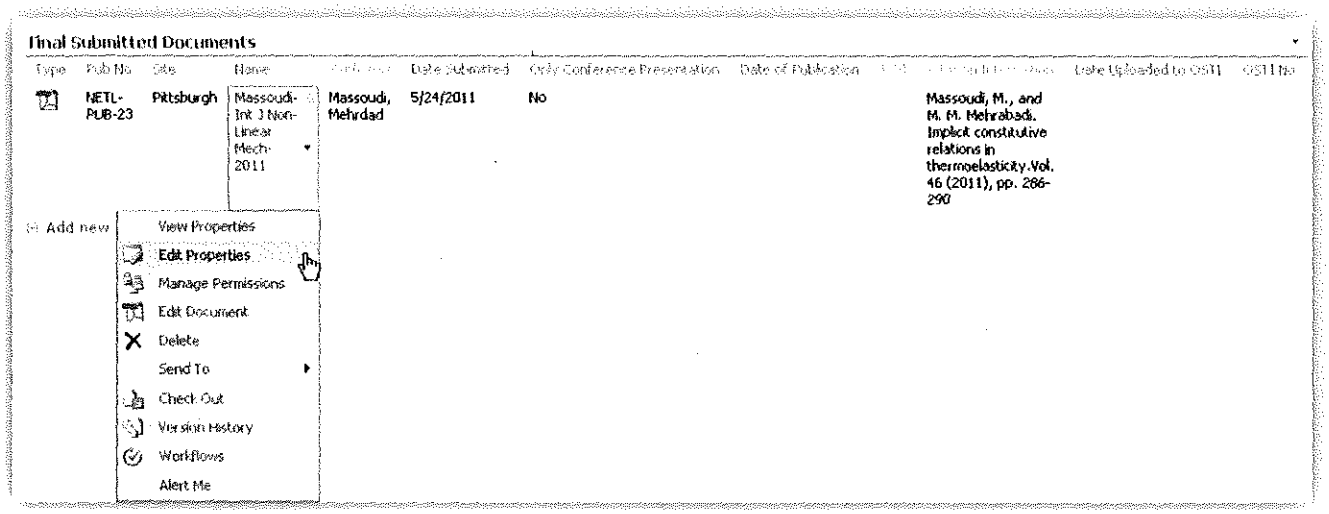
5. **Find the document with the applicable PUB No, which was the subject of the e-mail received. Click on the link in the [Name] column to open the document. The document can then be saved for uploading to OSTI.**



6. **Change the View (on the right) to All Information, Conference or Journal to see all the metadata for the document. The view selected depends on whether it is conference proceedings or a publication. All Information will show a combination of conference and journal information. This should give you all the metadata for uploading the document to OSTI. (See last page for an example of the view of All Information.)**



7. **After the document is uploaded to OSTI, record the [Date Uploaded to OSTI] and [OSTI No] on the ORD SharePoint site. Click on the Publications & TPR tab.**
8. **Hover over the Name of the document, and then click on the yellow arrow. Click [Edit Properties].**



9. Fill in the information for the date uploaded to OSTI and the OSTI number. Click [OK] (either one).

OK | Cancel

Delete Item | Spelling... * indicates a required field

Name *	Massoudi-Int J Non-Linear Mech-2011 .pdf
Division *	Computational Science Division
Pub No *	NETL-PUB-23
Site *	○ Albany ○ Morgantown ◉ Pittsburgh
Date Submitted *	5/24/2011 This is the date the final document was submitted to the conference or publisher.
Only Conference Presentation	☐ Is this a presentation or poster that was only used for a conference and will NOT be published?
Date of Publication	
DOI	
Citation Information	Massoudi, M., and M. M. Mehrabadi. Implicit constitutive relations in thermoelasticity.Vol. 46 (2011), pp. 286-290
Date Uploaded to OSTI	
OSTI No	

Version: 4.0
Created at 5/24/2011 3:29 PM by Mehrdad Massoudi
Last modified at 5/25/2011 10:49 AM by Angela Linsbeck

OK | Cancel

10. You are finished.

Example of All Information View of the Final Submitted Documents library

Final Submitted Documents

Please upload the final version of the document that has been submitted to the conference or journal.

New | Upload | Actions | Settings

Type	Pub No	Site	Name	Author(s)	Author(s) E-mail	Date Submitted	Date of Publication	Citation Information	Date Uploaded to OSTI	OSTI No	Conf Date (End)	Conf Date (Start)	Conference Location	Conference Paper	Conference Paper Published	CRADA	CRADA Restrictions
	NETL-PUB-23	Pittsburgh	Massoudi-Int J Non-Linear Mech-2011	Massoudi, Mehrdad	massoudi@netl.doe.gov	5/24/2011		Massoudi, M., and M. M. Mehrabadi. Implicit constitutive relations in thermoelasticity.Vol. 46 (2011), pp. 286-290							No	No	No

View: **All Information**

CRADA Restrictions	Division	Division Director	DOE Program	Alternate DD	Journal Pub Name	Meeting Name	OSTI Keywords	OSTI Subject Area(s)	Publication Type	Restrictions on Release	NOI Submitter	Patentable Material (DD)	Patentable Material (RP)
No	Computational Science Division	Chris Guenther	FE - Computational Energy Science	Mehrdad Shahnam	International Journal of non-Linear Mechanics		Continuum mechanics; heat transfer; thermoelasticity; non-linear materials	97 - MATHEMATICS AND COMPUTING 42 - ENGINEERING	Book		Mehrdad Massoudi		No

Question	Answer
How do I upload the final document that is sent to the conference/publication?	Go to the [Publications] tab of the ORD SharePoint site. Click on the Final Submitted Documents to OSTI button.Click on 'Document' on the dark blue bar at the top of the page, then 'Upload Document.' You can also click on 'Add document' at the bottom of the page.Click on Browse to find the document on your computer. Complete the requested information: - Name of the document can be changed, if needed Division - Pub No (The one you received when you submitted the NOI.) - Site - Date Submitted (This will default to today, but can be changed, if needed.) - If it is a conference presentation that will not be published, check the box. - Complete the publication information, if available. If you do not have the publication information, please leave these fields blank. You will receive a reminder every 30 days to complete this information. Once you receive the publication information, you will need to add it. Click [Check In].
Many times, a conference will have a presentation, a paper publication in conference proceedings, and then may publish in a Journal as well. Is that all done with one NOI?	A presentation/conference paper/poster can be done with just one NOI. I think it is best to treat the journal paper as a separate entry as often the paper is changed somewhat as it goes through the journal's review process and you would want the OSTI entries to reflect both publications.
Is there an easy way to find my PUB number?	There are a couple of different ways to find your PUB number. 1. Go to the Publication page. In the upper right, click in the search box and type part of the title or your last name. It will list your submitted notices of intent and show the PUB Number associated with it. 2. You can also click on your division, scroll down to the journal or conference NOI forms, then click on the **NOI Submitter** heading and filter by your name.
How do I get a report of documents published?	**NOIs:** If you want a report showing the NOIs for a division, click on the division on the left, click on the applicable heading and change the view for the needed information. (See the FAQ for changing views.) **Final Publications:** If you want a report showing final publications, click on Final Submitted Documents heading on the Publications page and then change the view to the needed information (All, Conference or Journal). (See the FAQ for changing views.)Once you have the view you need, click on **Actions** then **Edit in Datasheet**. This view is similar to Access and Excel.You can sort ascending or descending or filter the view by clicking on the drop down arrow on the column name.You can export the list to Excel or Access. On the right, along the edge of the screen, toward the middle of the list, there is an arrow to open a task pane. From this task pane, you can Export to Access, Report with Access, Query or Chart with Excel.You can also copy the list from the task pane or highlight and copy the rows and paste them in Excel.
How do I view all the information from the NOI on the SharePoint site?	Click on your Divison on the left.Click on the heading for the Conference or Journal list, i.e.Chemistry & Surface Science Division NOI Forms (Conference)On the far right of the toolbar for the list, there is a section that states "View: **Status**". There is a drop down arrow by Status.Clicking on the drop down arrow will show you different views. You can view All Information, Conference Information, Journal Information, etc. Once documents are uploaded to Final Submitted Documents on the Publications page, the views can be changed the same way by clicking on the heading to open the actual list.
Can the title be changed after the TPR process is started?	Yes, you can change the title, the authors, etc. after the process has started.
Do we need to upload PowerPoint presenetations and Posters into Sharepoint or just papers?	OSTI would like PDF versions of PowerPoint presentations and posters as well.
I started a TPR the old way a month or two ago. Should I re-enter through Sharepoint?	Check with the administrator you gave it to. If he/she started the process using the old system, then they will follow through with it. However, most of the admin staff, knowing that this change was coming, held off entering it.

Old TPR (2014)

OSTI Answers: Editorships and Authoring Book Chapters

If an NETL employee authors a book chapter or edits an entire book, it needs to be captured in OSTI. Exactly WHAT to capture depends on whether it is a book chapter or an editorship. (In either case, the employee may need a legal agreement with the publisher of the book before writing the chapter or editing the book, and should contact NETL's Legal Division to find out what is required!)

Authoring Book Chapters

If the NETL author writes a book chapter for a publisher asserting copyright in the book, the government has rights to the final manuscript the NETL author produces. He or she should provide both a bibliographic citation AND the text ***for the book chapter only*** as an "accepted manuscript" (not in the published book format) to OSTI. This applies whether or not there is "new" technical content in the chapter.

If the work qualifies as a US Government work, the chapter should be submitted to OSTI. (A work of the United States Government is a work prepared by an officer or employee of the United States Government as part of that person's official duties.) The author should also inform the publisher that the chapter is a US Government work and is not subject to copyright, and ask that the book's copyright notice (if any) so state.

If the NETL author is a contractor, he/she should check with the employer's IP counsel to see whether ad hoc permission from DOE is required to author the material.

When submitting a book chapter to OSTI, the metadata should include the following basic information to help a user locate the book.

- Information about the book it is intended to be published in. For example, specify that the manuscript is "Intended for publication as chapter XX in the book XYZ published by Smith and Company (United Kingdom)."
- If known, the ISBN (International Standard Book Number) that will be assigned.

Book Editorship

If an NETL employee edits a book, and NETL is recognized as providing this contribution, a citation/bibliographic information should be submitted to OSTI, but the manuscript (i.e., full-text) should not.

ORD and TPR

Office of Research and Development (ORD) scientific and technical information, including book chapters and editorships, are posted to OSTI via the Technical Product Review (TPR) system. ORD employees should initiate the TPR process when they receive an offer to prepare a book chapter or edit a book.

Serving the Nation... by Sharing Science

DOE's Office of Scientific and Technical Information (OSTI)

Researchers, Program and E-Link Users

U.S. DEPARTMENT OF ENERGY

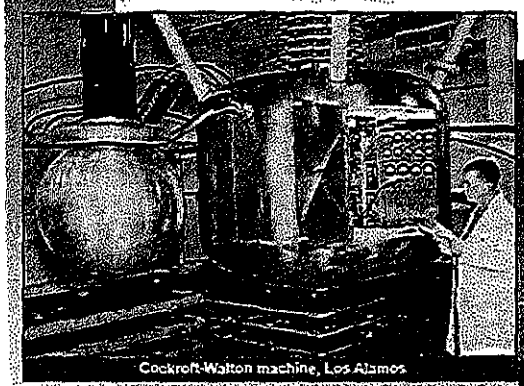
NNSA National Nuclear Security Administration

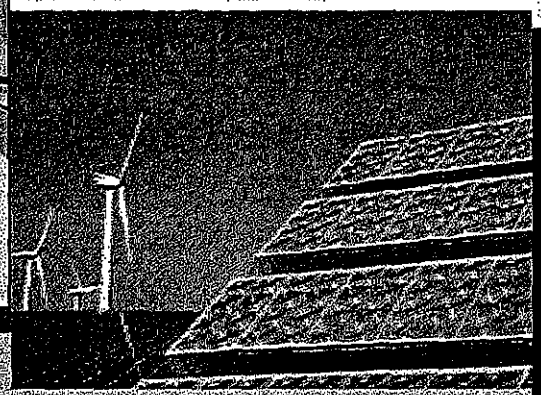
osti.gov

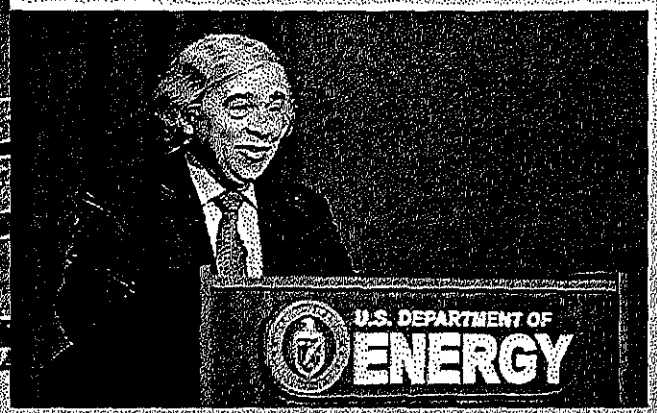
STIP Scientific and Technical Information Program
U.S. Department of Energy
www.osti.gov/stip

KEY TOPIC AREAS

- History of STI (scientific and technical information) Management within DOE & Legislative Mandates
- OSTI – DOE's central coordinating office for STI
- Departmental Directive – DOE O 241.1B
- Role of DOE's Scientific and Technical Information Program (STIP)
- Submitting STI: STI Products and Submission options
- News to Know – DOE's Public Access Plan
- Accessing STI: DOE's STI Products
- Key Resources and STI POCs
  - E-LINK TRAINING







Scientific and Technical Information (STI) Management with DOE

From the beginning, dissemination of scientific and technical information (STI) has been a foundational mission of the Department and its predecessor agencies.

OSTI was created at the conclusion of the Manhattan Project to gather science information, both classified & unclassified, emanating from the Project; preserve & disseminate as appropriate.

Today – OSTI advances science by making R&D findings from DOE and its predecessor agencies available and useful to Departmental of Energy (DOE), researchers, and the public.

OSTI's mission is critical to DOE's Science Mission.

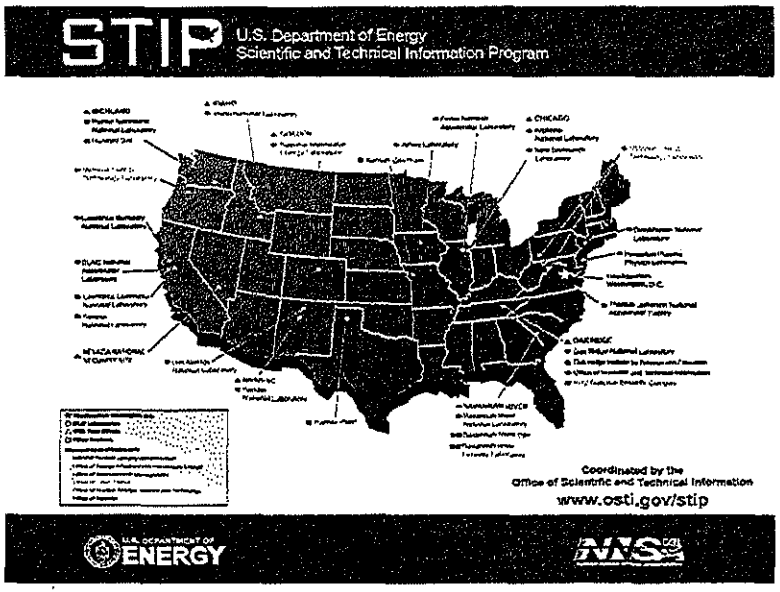
OSTI responsibility has been established in the:

- Atomic Energy Acts of 1946 and 1954
- Energy Reorganization Act of 1974
- Department of Energy Act of 1977
- Energy Policy Act of 2005
- America COMPETES Act of 2007 & American COMPETES Reauthorization Act of 2010

Leslie Groves and J. Robert Oppenheimer

OSTI's Corporate Role within DOE

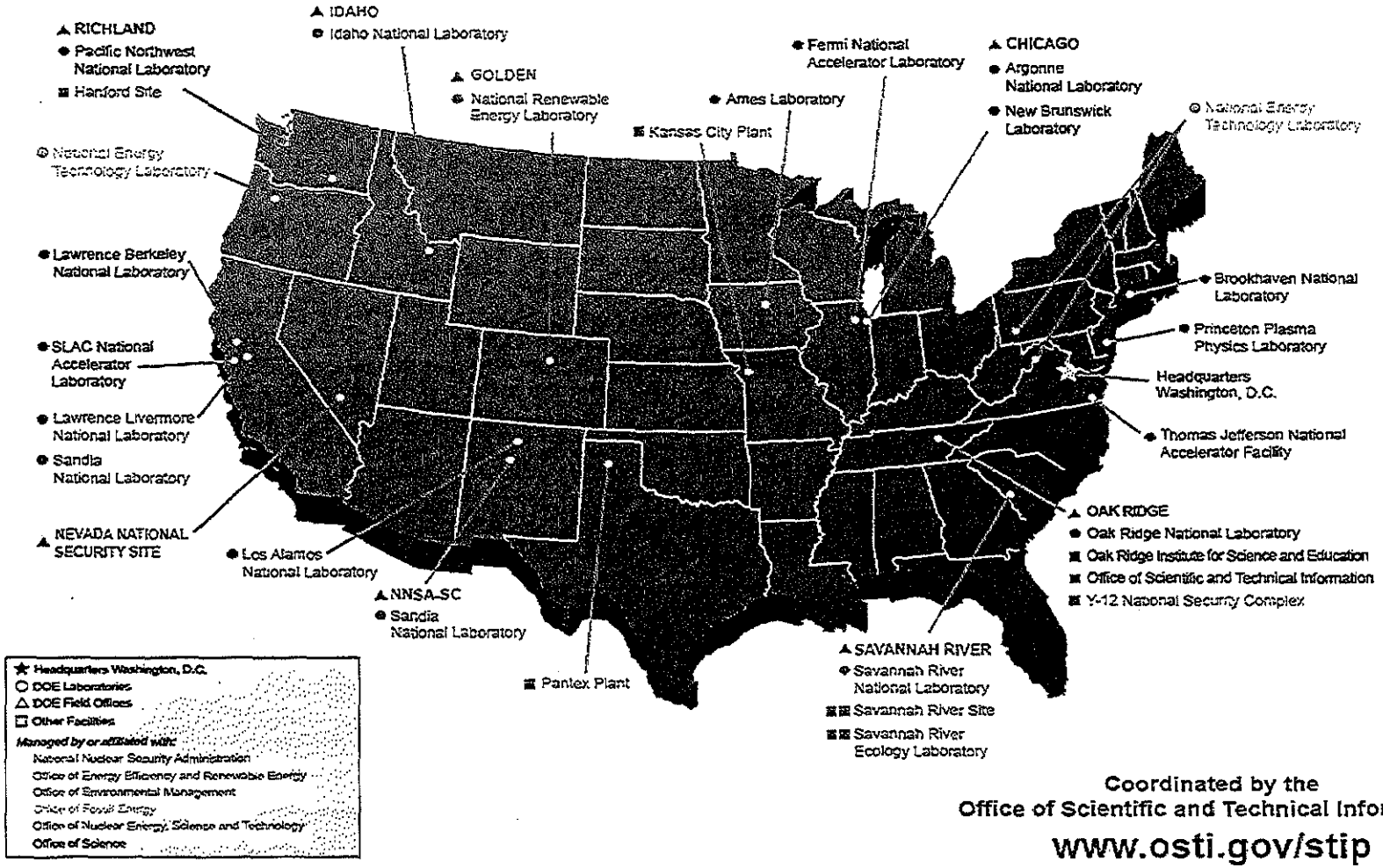
- Based in Oak Ridge, TN; OSTI maintains DOE Headquarters offices in Forrestal & Germantown.
- OSTI coordinates DOE's Scientific & Technical Information Program (STIP), a Department-wide collaboration, with points of contact at every DOE & NNSA office, lab, and facility.
- Provides for technical information collection, preservation, dissemination, and access.
- Represents DOE in interagency and international information partnerships and exchanges (CENDI, Science.gov Alliance, WorldWideScience Alliance, IAEA International Nuclear Information System (INIS), International Council for Scientific and Technical Information (ICSTI)).
- Provides stewardship for classified and controlled unclassified information.



NETL's STI Manager: Lilas Soukup
Lilas.Soukup@NETL.DOE.GOV

STIP

U.S. Department of Energy
Scientific and Technical Information Program



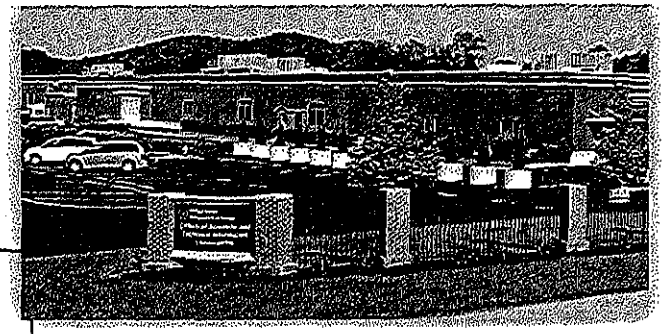
Coordinated by the
Office of Scientific and Technical Information

www.osti.gov/stip

U.S. DEPARTMENT OF ENERGY

NNSA National Nuclear Security Administration

OSTI



OSTI, within DOE's Office of Science, has *corporate* responsibility for ensuring access to DOE R&D results.

Energy Policy Act of 2005, Sec. 982

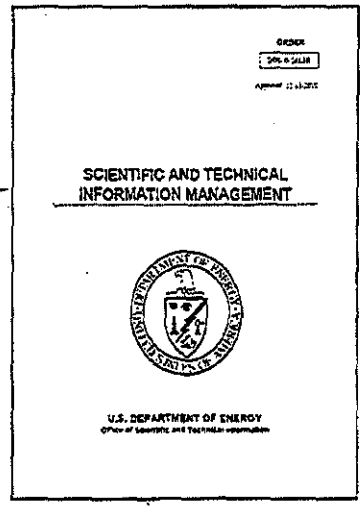
"The Secretary, ***through the Office of Scientific and Technical Information,*** shall maintain within the Department publicly available collections of scientific and technical information resulting from research, development, demonstration, and commercial applications activities supported by the Department."

"...the Department's role as a source of information...is unique and indispensable in the advancement of energy technologies."
-- from Quadrennial Technology Review press release

"Our success should be measured not when a project is completed or an experiment concluded, but when scientific and technical information is disseminated..."
-- from 2011 Department of Energy Strategic Plan

Roles/responsibilities defined in DOE O 241.1B, Scientific & Technical Information Management

Inside DOE O 241.1B
DOE's Directive for STI Management


SCIENTIFIC AND TECHNICAL INFORMATION MANAGEMENT

U.S. DEPARTMENT OF ENERGY

Directives are the Department of Energy's primary means of establishing policies, requirements, responsibilities, and procedures for Departmental elements and contractors

Requirements include:

- Announcing/providing various types of STI to OSTI
- STI must be reviewed for public release as appropriate
- Headquarters and field elements must appoint a formal STI point of contact
- All STI whether Unclassified Unlimited, Controlled Unclassified Information (CUI), or Classified is to be provided to OSTI

Also:

- Outlines responsibilities of OSTI, Heads of Departmental Elements, Heads of Contracting Activities, and others
- Defines STI and identifies types of STI products
- Lists references to STI management in other Departmental directives, procurement & policy documents, & includes Sensitivity Review information
- Attachment 1: Contractor Requirements Document (CRD)

OSTI Role Mandated
STI Management Required

U.S. DEPARTMENT OF ENERGY

NNSA National Nuclear Security Administration

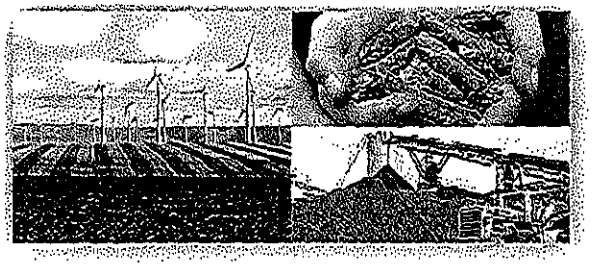
Within DOE:

- DOE Order 241.1B, *Scientific and Technical Information Management*

  Applies to all Departmental elements, at Headquarters and the field, that either fund projects that generate STI or oversee the contractors for facilities where work is done which could generate STI; including NNSA

  https://www.directives.doe.gov/directives/0241.1-BOrder-b/view

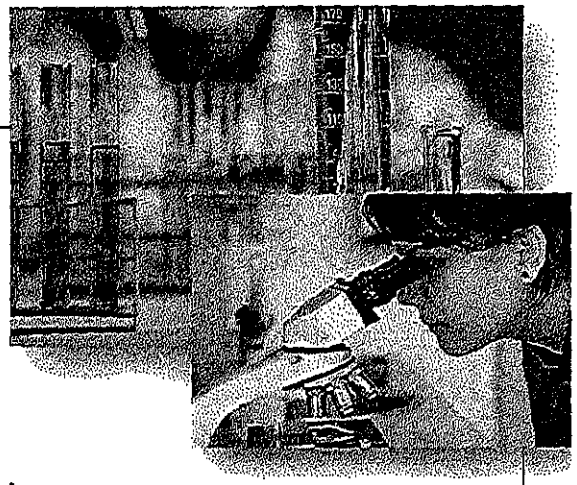
Inside DOE O 241.1B



Scientific and Technical Information (STI) Defined

Information products .... which contain findings and technological innovations resulting from research and development (R&D) efforts and scientific and technological work of scientists, researchers, and engineers, whether Federal employee, contractor, or financial assistance recipient... Scientific findings are communicated through various media - e.g., textual, multimedia, audiovisual, and digital - and are produced in a range of products...DOE-funded STI originates primarily from research and other activities performed by site/facility management contractors, direct DOE-executed prime procurements, DOE-operated research activities, and financial assistance recipients, in addition to DOE employees.

Types of STI Made Available Through DOE's STI Program



- Books/monographs
- Conference/Event papers, presentations or proceedings
- Scientific Factsheets
- Journal Articles (citations & accepted manuscripts)
- Patents
- Program Documents with STI content
- Scientific Datasets
- Scientific and Technical Computer Software
- Technical Reports
- Theses & Dissertations
- STI Videos

Reference Attachment 3 of DOE O 241.1B
STI Products Made Available Through DOE STI Program

STI Program: A DOE-Wide Collaboration

Focused, effective coordination is vital in a distributed STI environment.

HQ Programs & Staff Offices

R&D Funding

Mission priorities

Procurement, Intellectual Property, and other policy

Labs & Other Contractors or Awardees

Research results, incl. STI creation & reporting

DOE Field Offices

Contract & financial assistance awards and oversight

OSTI

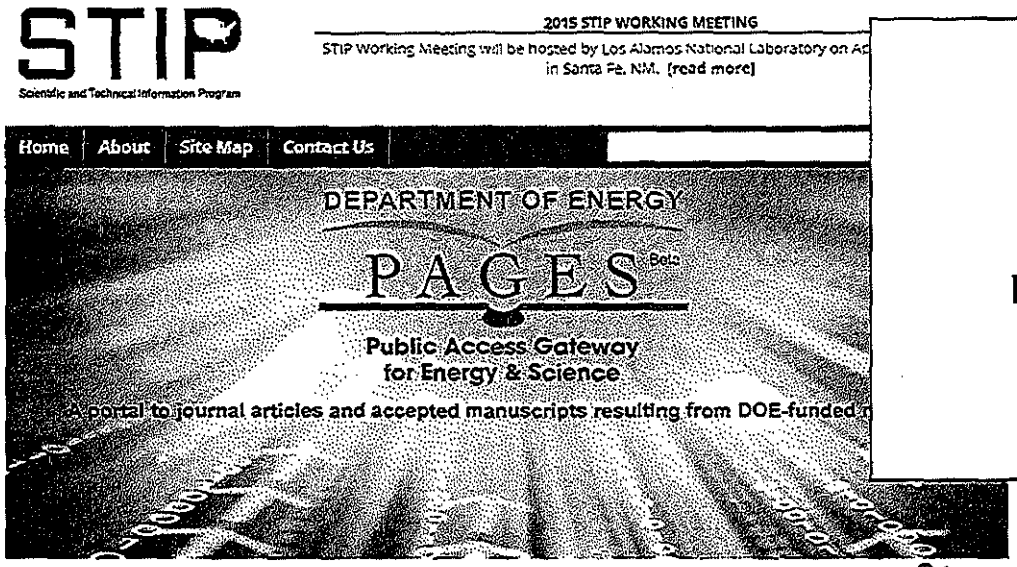
Access & preservation of STI

STI Policy

Collaboration & facilitation

Interagency & int'l STI exchanges

www.osti.gov/stip



STI Submission

– *KEY* –

to supporting research and science

AND

transparency

What is STIP?

The U.S. Department of Energy (DOE) Scientific and Technical Information Program (STIP) is a collaboration from across the DOE complex working to ensure that the results of DOE-funded research and development (R&D) and other science and technology activities are identified, disseminated, and preserved.

Why We're Here

STIP members, led by the DOE Office of Scientific and Technical Information (OSTI), work together to increase the availability and transparency of various types of scientific and technical information (STI). This site provides background, guidance, and more to support the management and preservation of DOE-funded R&D results now and in the future.

Recently Received STI — Pause

Ultraviolet light effects on nucleic acid formation and genetic events in bacteria. Annual progress report
Author(s): Doudney, C.O., Research Organization: Albert Einstein Medical Center, Philadelphia, Pa. (USA). Dept. of Genetics

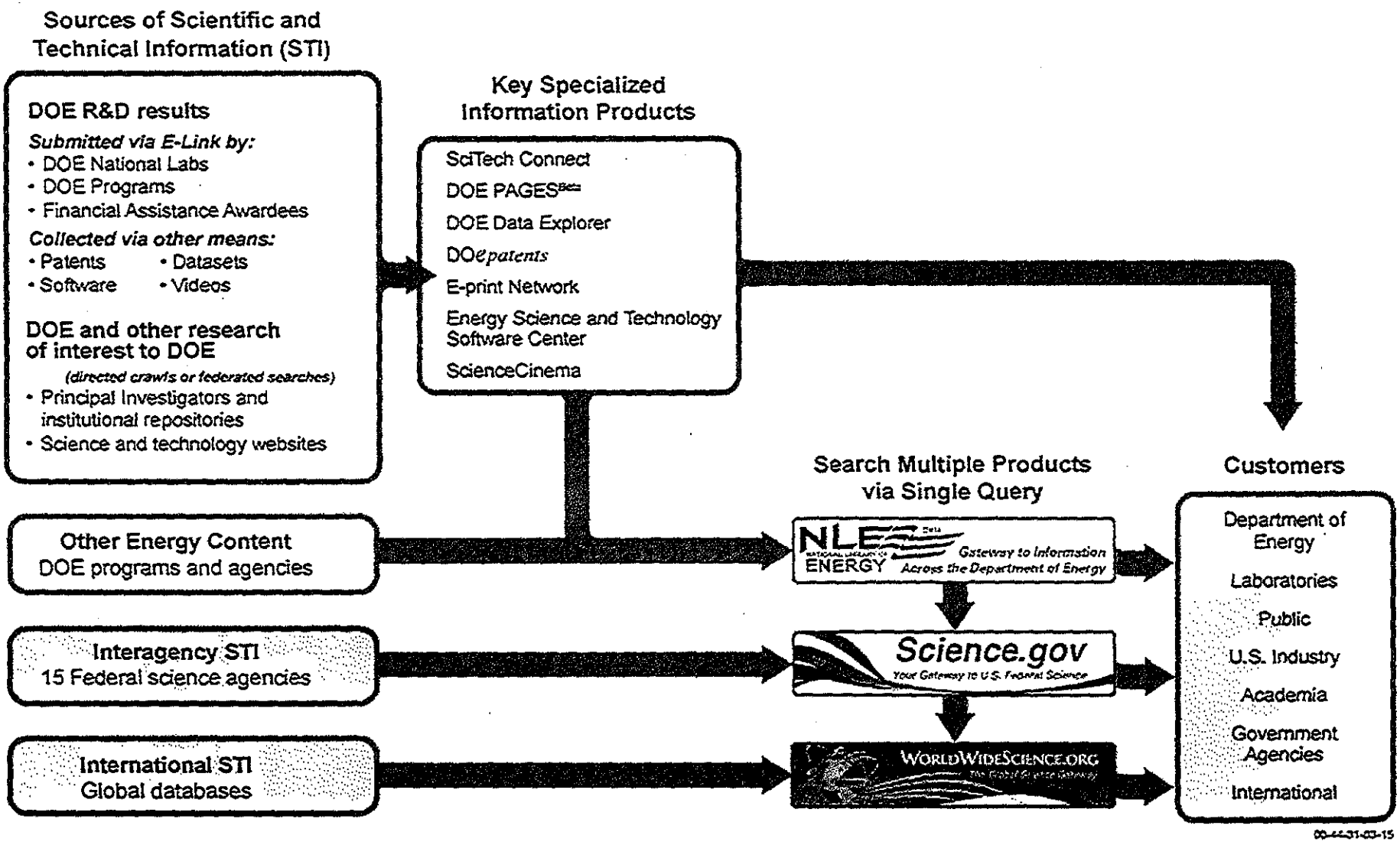
STIP

Website Policies/Important Links

- STIP website replaced former STI Mgt Guide.
- Allows for dynamic updates.
- Provides "how to" information and links to various resources.
- Referenced throughout DOE Order 241.1B.

SUBMITTING STI – Key to Access and Preservation

OSTI R&D Information Flow



Streamlined Process for STI Collection

Labs have options for submitting STI...

- Utilize OSTI's E-Link System and provide individual Announcement Notices for each STI product, upload full-text or provide URL to site-posted full-text.
- Upload metadata in a batch XML file.
- Allow OSTI to run weekly queries against site servers to pick up XML output files of metadata with URL links to full text (aka Harvesting).
- Send metadata via STI Announcement Web Services for AN 241.1 or AN 241.6.
  http://www.osti.gov/stip/STIwebservices

SUBMIT

E-LINK

OFFICE OF SCIENTIFIC AND TECHNICAL INFORMATION

Developed in 1998 – A CORPORATE SYSTEM FOR Scientific and Technical Information (STI) MANAGEMENT

- DOE was first agency to implement a fully electronic system for submission and processing of documents.
- E-Link provides for a streamlined process for STI collection.
- E-Link referenced in key Departmental guidance and procedures, including:
  - Department of Energy Acquisition Regulation (DEAR)
  - DOE Order 241.1B, Scientific and Technical Information Management
  - DOE Guide to Financial Assistance
  - DOE Acquisition Guide, Chapter 35.1, Scientific and Technical Information Reporting
  - DOE F 4600.2, Federal Assistance Reporting Checklist and Instructions

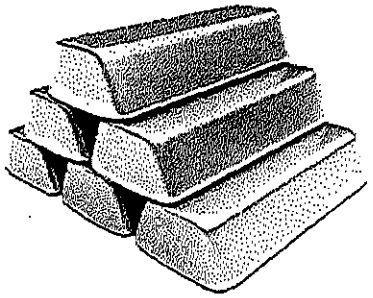
NEWS TO KNOW

DOE's PUBLIC ACCESS PLAN

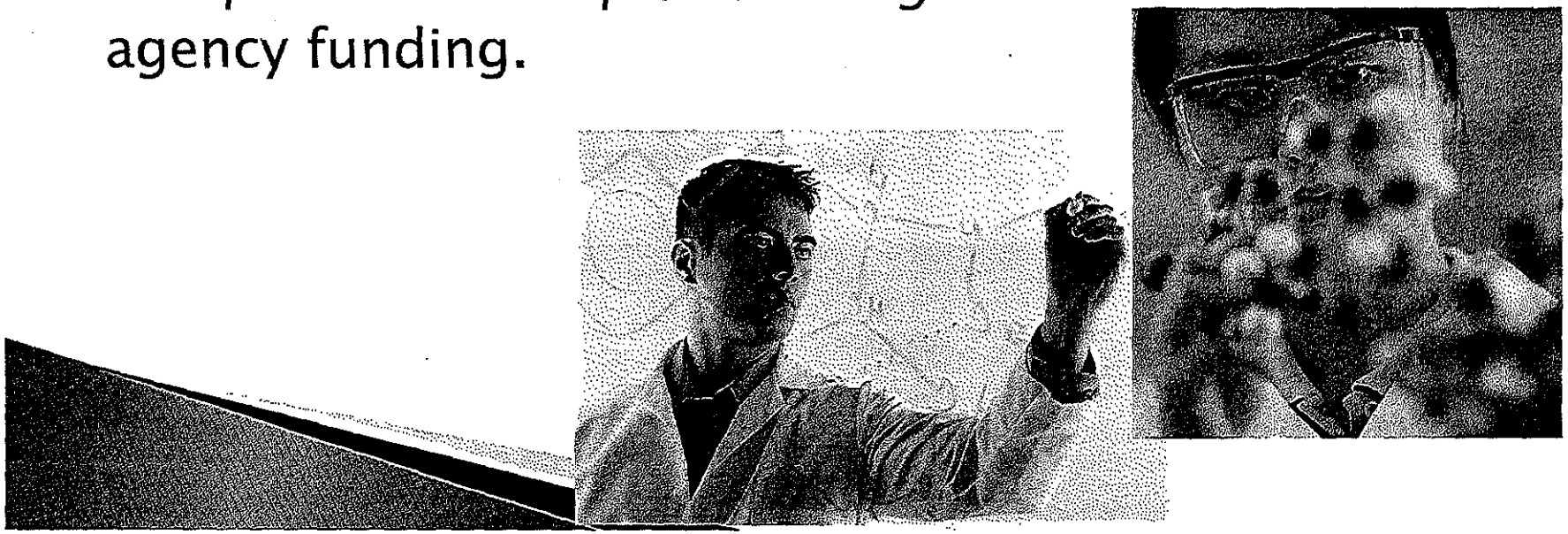
DOE is well-positioned to extend its existing infrastructure to support Public Access

Within DOE,
it is not a Revolution
but an Evolution

Gold Standard Gap



Despite the breadth of the OSTI collections maintained on behalf of the Department and its predecessors, they generally do not include what is considered the "gold standard" of scientific communication - peer-reviewed journal articles or final accepted manuscripts resulting from agency funding.



Public Access – A Look Back

- National Institutes of Health (NIH) had first mandate in 2008, requiring public access to articles/manuscripts through PubMed Central.
- Since then, various public access legislative efforts targeting other federal agencies, most significant being America COMPETES Reauthorization Act of 2010.
- COMPETES plus White House encouragement resulted in OSTP's February 2013 Memo to Federal Agencies, requiring Public Access Plans, covering both publications and data.

OSTP Memorandum

Increasing Access to the Results of Federally Funded Scientific Research

Home - The Administration - Office of Science and Technology Policy

Office of Science and Technology Policy

- Issued February 22, 2013
- Directed agencies that spend more than $100 million a year on R&D **to prepare plans to make the results of research they fund publicly available within a year of publication.**
- Allowed six months for agencies to submit public access plans to OSTP for review.
- **Focus is on scholarly publications; i.e., peer-reviewed journal articles and digital data management.**

OSTP Memo excerpts regarding scholarly publications

- ....includes any results published in peer-reviewed scholarly publications that are based on research that directly arises from Federal funds.
- Outlined elements agencies' plans must contain.
- Outlined the objectives for public access, encouragement of public-private collaboration, and archival preservation.
- "*Policies that mobilize these publications and data for re-use through preservation and broader public access also maximize the impact and accountability of the Federal research investment.*"

Recapping Chronology of Public Access within DOE

- February 2013, OSTP Memo issued
- September 2013, DOE submits draft Public Access plan to OSTP (OSTI lead for Scholarly Publications component; Laura Biven, Office of Science, lead for Digital Data Management component; ongoing communications through STIP)
- July 2014, OSTP approves DOE's plan following comments and revision phase (DOE's plan involved Headquarters programs' briefings & concurrence, involvement of Intellectual Property Counsel & Procurement, and Secretarial Office approval)
- August 4, 2014: DOE issues final plan; launches web portal DOE PAGES[Beta]
- September 4, 2014: Secretary issues memo on public access to Assistant Secretaries and Lab Directors
- October 2014: Financial Assistance Award requirements revised (covering awards made or renewed 10.1.14 forward)
- April 16, 2015: John Lucas, DOE Assistant General Counsel for Tech Transfer & IP Property, issues guidance memo on Public Access policy to all Field Patent Counsel
- **Currently work underway across the complex to fulfill Public Access requirements for scholarly publications:** ***submission of peer-reviewed Accepted Manuscripts for DOE-funded articles published 10.1.14 going forward***

U.S. DEPARTMENT OF ENERGY

STI Products Made Available Through DOE's STI Program

- Books/monographs
- Conference/Event papers, presentations or proceedings
- Scientific Factsheets
- **Journal Articles (citations & <u>accepted manuscripts</u>)**
- Patents
- Program Documents with STI content
- Scientific Datasets
- Scientific and Technical Computer Software
- Technical Reports
- Theses & Dissertations
- STI Videos

Accepted Manuscript:
The version of the article that has been accepted for publication by a publisher and includes changes made during the peer-review process; it is not a "reprint" or a PDF download of the published article.

Reference DOE Order 241.1B, Scientific and Technical Information Management

For Financial Assistance Awardees

- DOE F 4600.2, Federal Assistance Reporting Checklist revised, Ref. Policy Flash 2015-01 *See - Reporting Requirements:* http://energy.gov/management/downloads/federal-assistance-reporting-checklist-and-instructions-projects
- For grants/awards: Accepted Manuscripts should be submitted by awardees for DOE research funded through grants and other financial awards issued or renewed 10.1.14 forward
- Because the AMs have been submitted to the publisher with the intention of public access, DOE releasing officials WILL NOT be required to review these articles when they are submitted through E-Link.
- Awarding offices can help by being aware of this requirement, informing awardees as appropriate, fielding or forwarding questions to STIP@osti.gov.

The DOE Public Access Model: Public Access Gateway for Energy and Science[Beta]

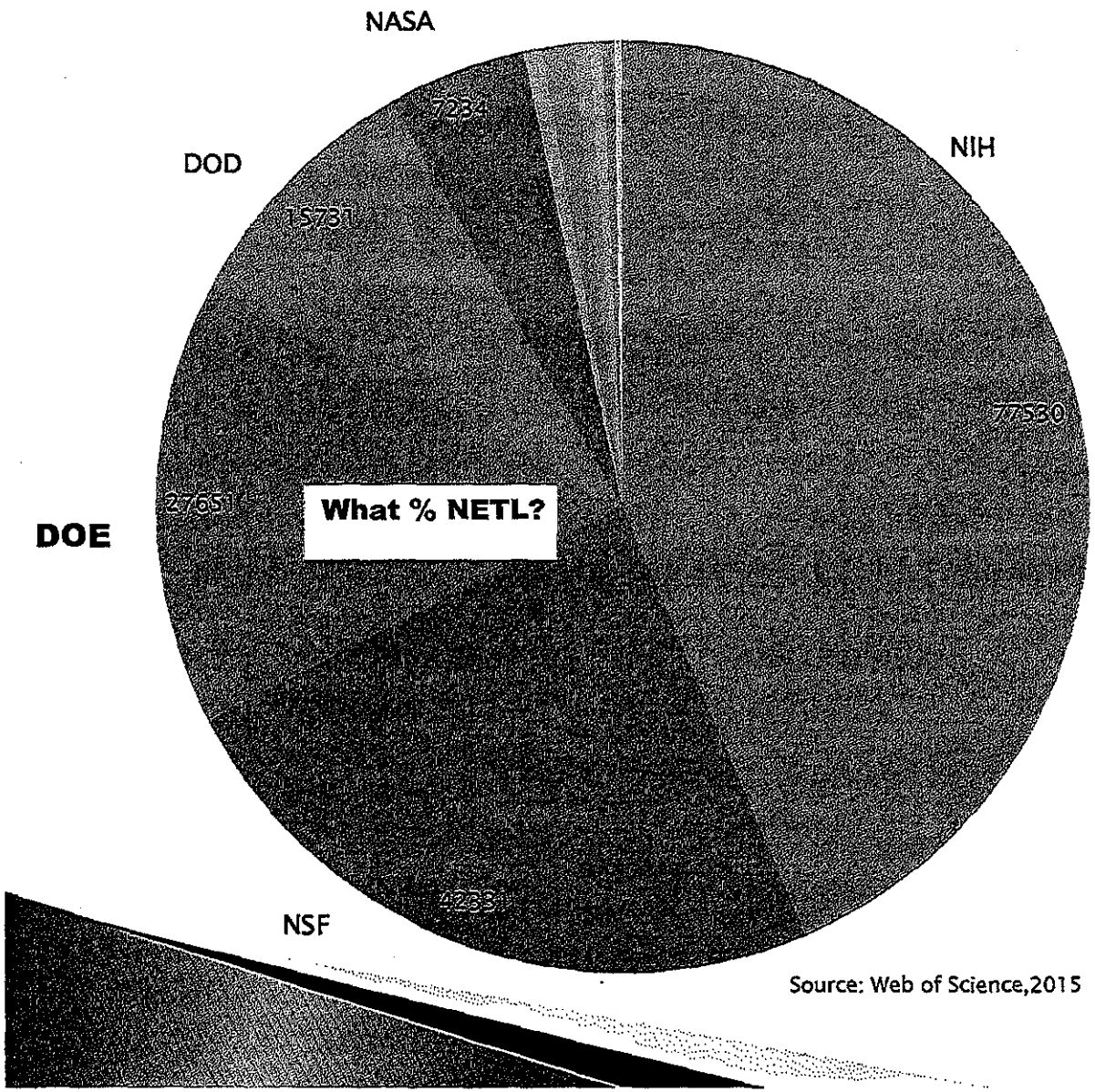
www.osti.gov/pages

DEPARTMENT OF ENERGY
PAGES[Beta]
Public Access Gateway for Energy & Science

DOE PAGES[Beta]

- Centralized metadata
- Decentralized full-text articles and manuscripts, using DOE/institutional and publisher repositories; or upload via E-Link
- Introduced in "beta" form:
  - Beta version consists of initial collection of DOE accepted manuscripts and publisher content (~6,500 records).
  - Anticipate 25,000-30,000 manuscripts/articles per year after embargo period.
- Incorporates Dark Archive to ensure long-term preservation and access
- 12-month administrative interval or embargo period

Article/Manuscript Output by Agency – 2014



Source: Web of Science,2015

- National Institutes of Health
- National Science Foundation
- Department of Energy
- Department of Defense
- National Aeronautics and Space Administration
- Department of Veterans Affairs
- Department of Commerce
- Department of Agriculture
- Centers for Disease Control
- Environmental Protection Agency
- U.S. Geological Survey
- U.S. Fish & Wildlife Service

PAGES-CHORUS Integration

- OSTP memo encourages "public-private collaboration" and "recognizes that publishers provide valuable services."
- CHORUS- the Clearinghouse for the Open Research of the United States offers:
  - A consolidated feed of agency-specific metadata and links to publicly-accessible articles from participating publishers;
  - Increased percentage of articles, versus accepted manuscripts, accessible through PAGES

- FundRef - the Agencies' collaboration with publishers through CrossRef - will enable agencies and CHORUS to accurately identify agency-specific publications and to monitor public access compliance.

DOE PAGES meets the DOE public access requirement with or without CHORUS – thanks to existing DOE scientific and technical information processes.

Licensing and Government "Rights"

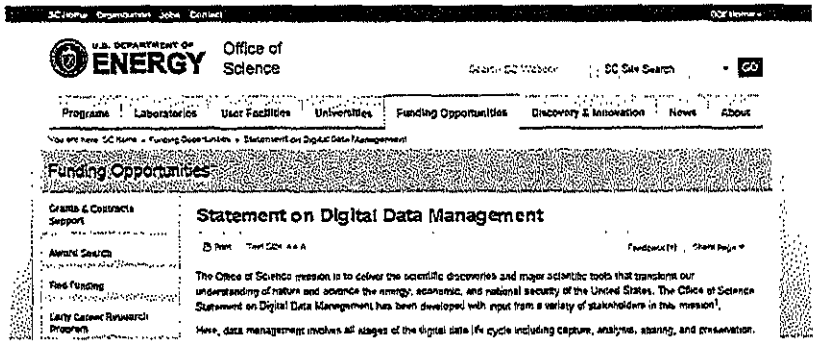
- DOE has long claimed "federal purpose" license, as authorized in law.
- Federal purpose license applies equally to DOE financial assistance awardees (grantees) and to Management and Operating (M&O) contractors, i.e., National Labs.
- Authority promulgated in 10 CFR 600.27, "Patent and data provisions" (Financial Assistance Rules) and 48 CFR 970.5227-2, "Rights in data-technology transfer."
- Contractors are expected to make government license clear to publishers when submitting manuscripts.

> Notice: This manuscript has been authored by [insert the name of the Contractor] under Contract No. [insert the contract number] with the U.S. Department of Energy. The United States Government retains and the publisher, by accepting the article for publication, acknowledges that the United States Government retains a non-exclusive, paid-up, irrevocable, world-wide license to publish or reproduce the published form of this manuscript, or allow others to do so, for United States Government purposes. (End of notice)

- DOE PAGES relies on these authorities to provide public access to accepted manuscripts.
- For grantees, DOE has modified terms and conditions, and financial assistance requirements/instructions to include accepted manuscript submissions.

Digital Data Management Component

- SC Statement on Digital Data Management, effective Oct 1, 2014
- Data Management Plan requirements from other DOE offices, effective Oct 1, 2015
- DOE's Policy for Digital Research Data Management, http://www.energy.gov/datamanagement/
- http://science.energy.gov/funding-opportunities/digital-data-management/faqs



FAQ: How will the DOE Public Access Policy be enforced?

- Reference *DOE Public Access Plan*, page 7
- Initially, OSTI will use various citation sources, mining "acknowledgement" and "affiliation" fields, to identify any gaps in PAGES metadata submissions.
- Ultimately, FundRef will facilitate the tracking of publications resulting from DOE funding and therefore assist DOE in assessing and addressing any gaps in the PAGES repository.
- Citation resources and FundRef will be utilized to compare with actual receipts in PAGES to identify specific gaps. OSTI will then work with STI Managers at labs and with procurement officials for grants to acquire any missing Accepted Manuscripts.

FAQ: What about publishing in an Open Access Journal?

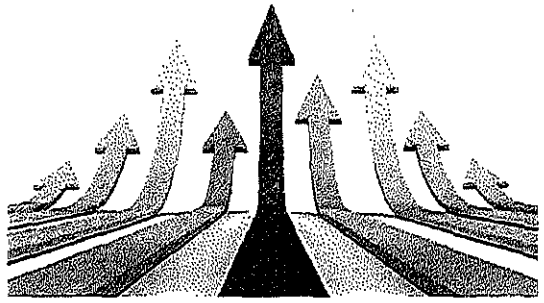
- DOE-funded authors are free to publish in journals of their choice, including Open Access journals as authorized by their respective sites.
- However, do not confuse 'Open Access journals' or 'Open Access charges' with DOE's Public Access Plan.
- Important for DOE-funded authors to know that it is not necessary to pay "author pays" fees or Open Access charges solely to enable public access to their publications.
- DOE is implementing public access through its license to the accepted manuscript not through "author pays" models.
- Authors may choose to publish with an Open Access journal and pay a fee to do so if their Lab/site allows it; however, it is not necessary to comply with DOE's public access policy and it must be in compliance with allowable costs under the terms of your Lab's/site's contract with DOE.

U.S. DEPARTMENT OF ENERGY

NNSA National Nuclear Security Administration

How are Accepted Manuscripts Submitted to OSTI in response to DOE's Public Access Plan?

- Accepted Manuscripts are submitted via a Lab's existing processes for STI submission
  - Utilizing E-Link for individual submissions of AMs
  - Harvesting Protocols or Web Services processes in place at DOE Labs
  - OR via New Tool developed by OSTI: *The Wizard*
    - Based on feedback OSTI developed a more streamlined, logical approach for step-by-step submission of STI via E-Link
    - Available for Sites' use upon request
    - Auto-populates journal information based on the Digital Object Identifier (DOI)
- Labs should provide metadata/citation information for the journal article and either an upload of the Accepted Manuscript in PDF format or a link/url to a Lab/site's institutional repository that is hosting the manuscript.
- If site hosted, OSTI caches a copy for preservation and access



Important to Note:

- As the name implies, DOE PAGES is launched in **BETA**
- DOE/OSTI fields questions, FAQs an important reference http://www.osti.gov/stip/publicaccessfaqs
- Feedback/questions may be sent to stip@osti.gov and pagesfeedback@osti.gov
- Other resources available at http://www.osti.gov/stip/publicaccess
- Labs are encouraged to continue socialization of Public Access requirements

DEPARTMENTAL STI AND R&D RESULTS

DISSEMINATION & ACCESS

Extending the Reach of DOE–Funded Research

U.S. DEPARTMENT OF ENERGY

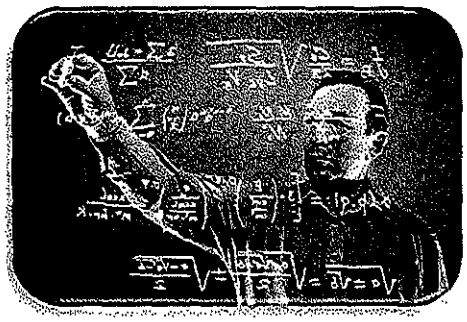
NNSA National Nuclear Security Administration

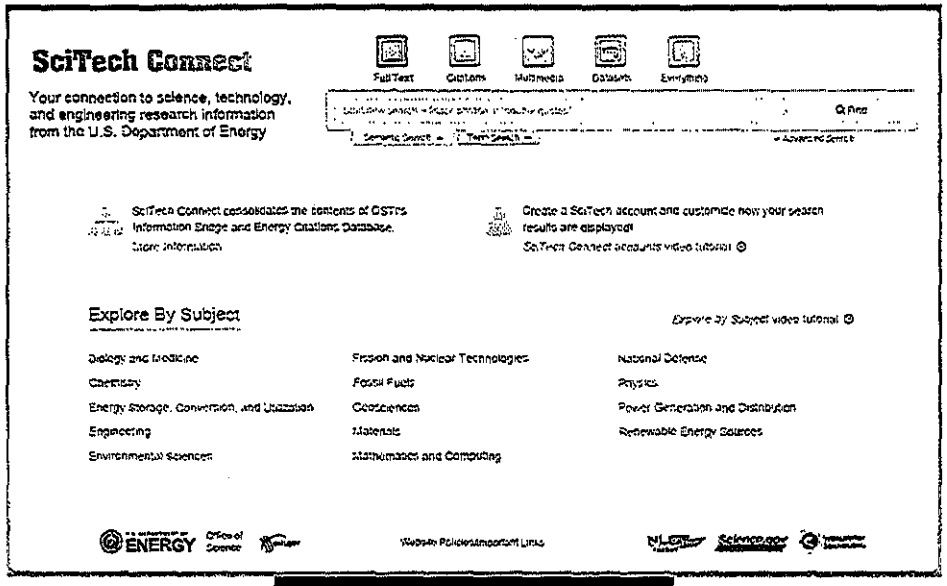
Through submission of STI to OSTI, DOE's STI and research results are Disseminated & Made Accessible

- *Unlimited/publicly available STI is made available to DOE, researchers, other Government agencies, academia, industry, and the U.S. public*
- *Statutorily Controlled STI is accessible to DOE and DOE Contractors with Need-to-Know and Approval appropriate to the Access Limitation Distribution*

E-LINK
OFFICE OF SCIENTIFIC AND TECHNICAL INFORMATION

SciTech Connect





www.osti.gov/scitech

SciTech Connect

Your connection to science, technology, and engineering research information from the U.S. Department of Energy

Full Text | Citations | Multimedia | Datasets | Everything

Start new search – Place phrase in "double quotes"

Find

Semantic Search | Term Search

+ Advanced Search

SciTech Connect consolidates the contents of OSTI's Information Bridge and Energy Citations Database.

More information

Create a SciTech account and customize how your search results are displayed!

SciTech Connect accounts video tutorial

Explore By Subject

Explore by Subject video tutorial

- Biology and Medicine
- Chemistry
- Energy Storage, Conversion, and Utilization
- Engineering
- Environmental Sciences
- Fission and Nuclear Technologies
- Fossil Fuels
- Geosciences
- Materials
- Mathematics and Computing
- National Defense
- Physics
- Power Generation and Distribution
- Renewable Energy Sources

Other databases or portals uniquely address each type of STI OR provide for federated search capabilities

science research CONNECTION

DOE Data Explorer

SCIENCECINEMA

DOEpatents

E-PRINT Network

E·S·T·S·C

DOE R&D Accomplishments

SciTech Connect

Science.gov

WORLDWIDE SCIENCE.ORG

AND **OSTI makes DOE's STI accessible to public search engines through established partnerships & collaborations:**

Google YAHOO! bing

Science Research Connection (SRC)

- Offers research information to DOE Federal or DOE Contractor employees, including unclassified/unlimited and statutorily controlled information.
- Enables user to request digitization of report.
- Access to Limited STI handled on case by case request; Password/logon required

www.osti.gov/src

science research CONNECTION

Science Research Connection (SRC) offers to the DOE community research information integrated from various OSTI databases, including both unclassified/unlimited and statutorily controlled information. SRC requires registration and access is free of charge. If you are a DOE Federal or DOE Contractor employee and wish to register for an account on this product, please accept the access agreement below and proceed to the registration page.

Access Notice

You must check the box at the bottom of this page to continue.

I certify that my access to the Science Research Connection (SRC) database is authorized and that use of the information contained herein is for official governmental purposes only. Unauthorized or improper use of this system and the information contained herein may result in administrative disciplinary action and civil and criminal penalties.

Unauthorized use or disclosure of proprietary or other confidential information by Department of Energy (DOE) federal employees may result in criminal penalties as set forth in the Trade Secrets Act (18 USC 1905). DOE contractors, including prime contractors, subcontractors and site/facility contractors, are subject to the provisions against disclosure of proprietary information as set forth in their respective contracts (or subcontracts) with DOE.

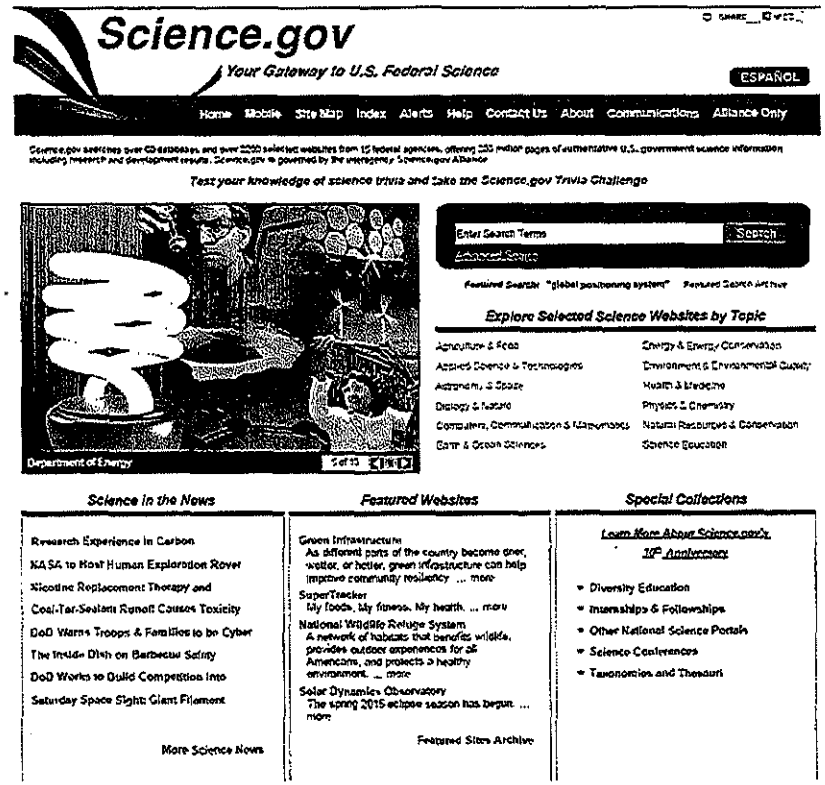
By continuing to access the SRC database, I am indicating awareness of and consent to these terms and conditions of use.

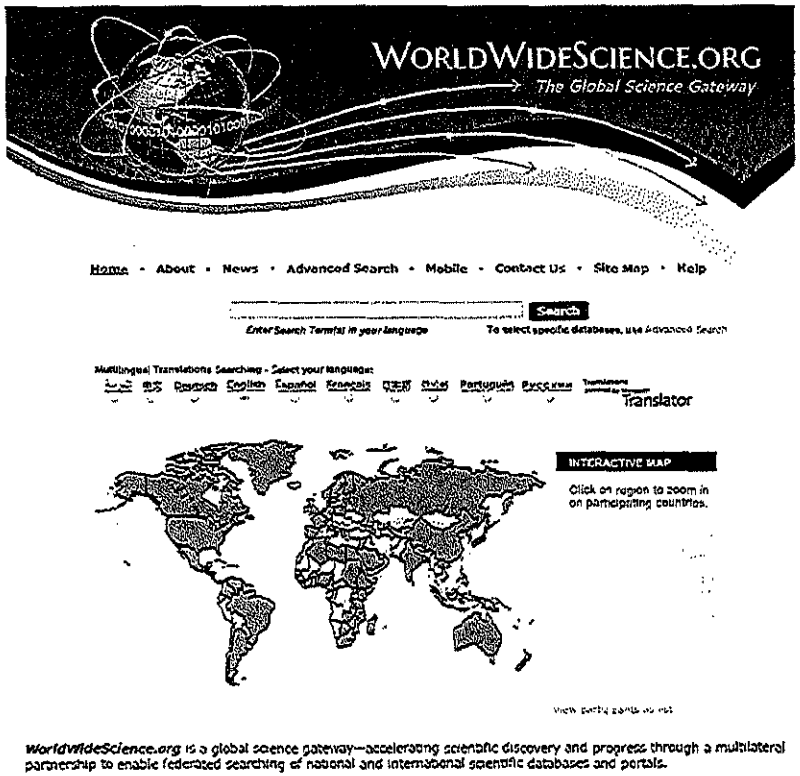
☑ **Check here if you accept this agreement.**

CONTINUE

DOE STI Available thru Science.gov and WWS

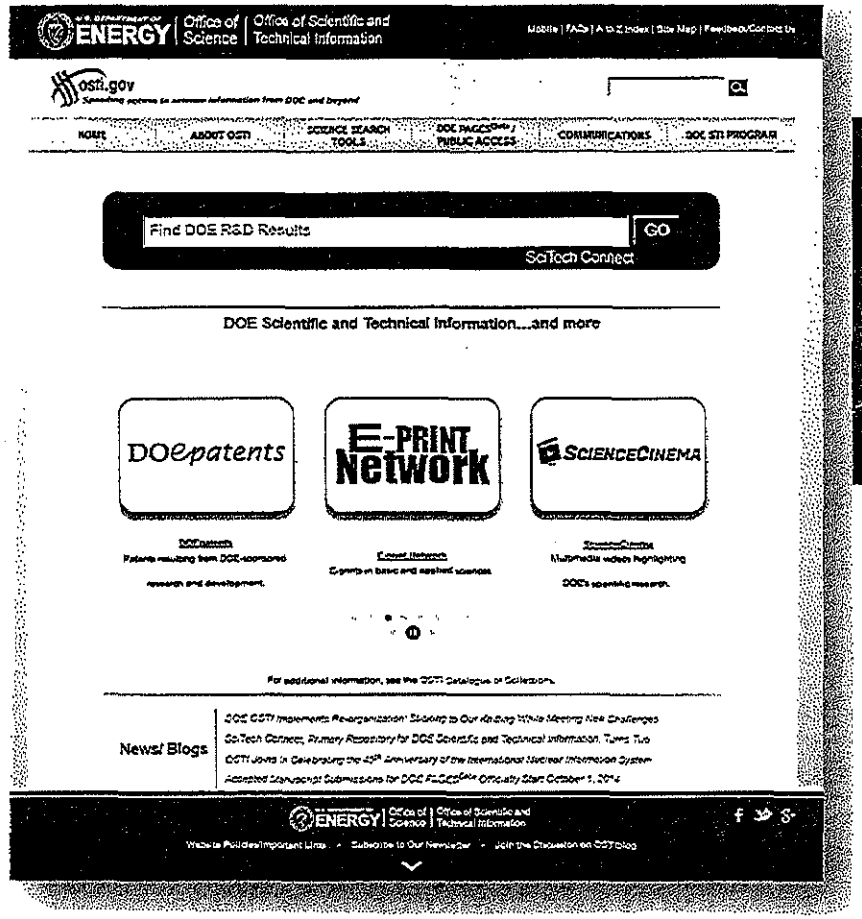
Provides a search of over **60 scientific databases** and **200 million pages** of science information with just one query.

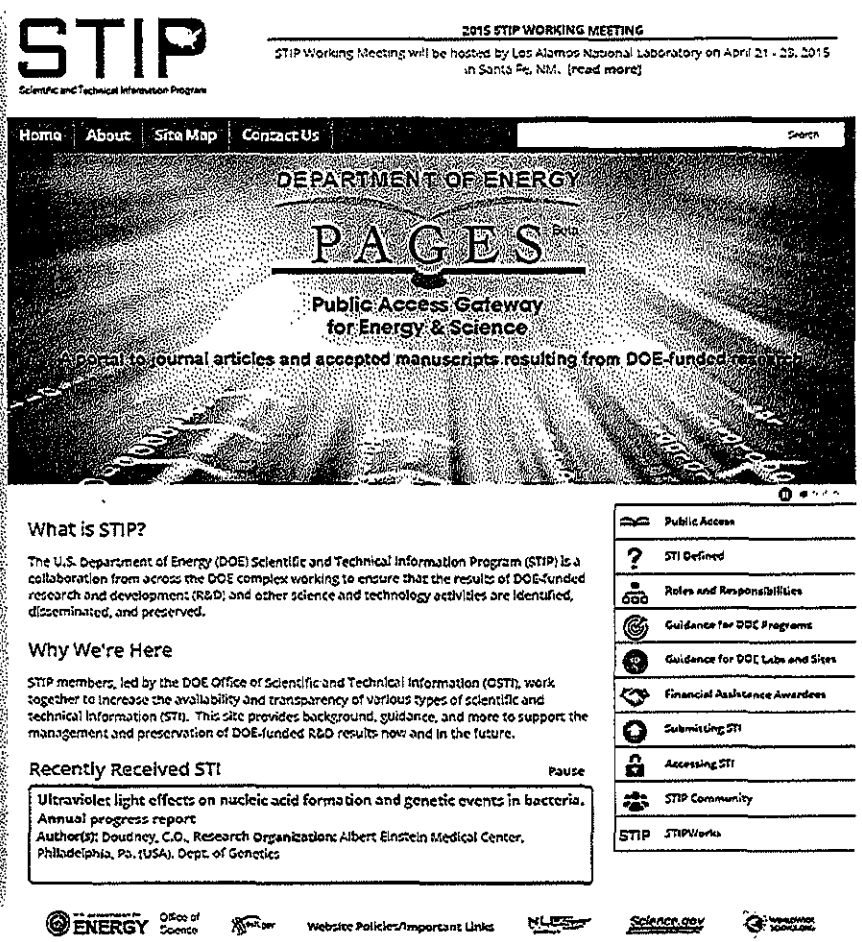




Global science gateway searching approximately **100 national and international** scientific databases and portals. Provides **multilingual translations** of 10 languages, enabling U.S. access to Chinese, Russian, Japanese, Korean and other R&D results.

KEY RESOURCES





www.osti.gov

www.osti.gov/stip

AND NOW: DOE PAGESBeta
For DOE-Funded Accepted Manuscripts
www.osti.gov/pages

OSTI Home | DOE PAGES Home | About | FAQ | Policy / Communications | API Docs | Feedback | DOE Home »

DEPARTMENT OF ENERGY

PAGES Beta

Public Access Gateway for Energy & Science

Access journal articles and accepted manuscripts resulting from DOE research funding

Start new search -- Place phrase in "double quotes" Find

+ Advanced Search

What does "Beta" mean?

DOE PAGES[Beta] contains an initial collection of journal articles and accepted manuscripts as a demonstration of its functionality and eventual expanded content. Over the next year, additional metadata and links to articles and accepted manuscripts will be added as they are submitted to OSTI, with anticipated annual growth of 20,000-30,000 publicly-accessible articles and manuscripts. When DOE PAGES moves beyond the "beta" period, it will offer distributed full-text access to all DOE-affiliated accepted manuscripts or articles after an administrative interval of 12 months.

Guidance for DOE-Funded Authors

I'm a researcher at a DOE national laboratory and have just had a manuscript accepted for publication in a peer-reviewed journal; what do I need to do in order to comply with DOE's public access requirements?

I'm a researcher with a grant from DOE and have just had a manuscript accepted for publication in a peer-reviewed journal; what do I need to do in order to comply with DOE's public access requirements?

Find out more

Do you have questions about DOE PAGES[Beta] content, procedures, or policies? More information is available at OSTI's Public Access Policy page and in our Frequently Asked Questions.

DOE's Central STI Coordination Organization: OSTI

- Provides accountability and historical record
- Fulfills statutory mandates
- Enhances transparency of DOE research
- Saves research dollars by reducing duplication and enabling reuse of previous research
- Manages DOE-sponsored STI, therefore ensuring that U.S. citizens are realizing a maximum return on investment
- Manages STI in accordance with any site-assigned statutory access limitations
- Ensures Results of DOE's Research and Scientific Endeavors are Preserved, Known and Accessible

OSTI STIP POCs

- Kim Buckner, bucknerk@osti.gov, 865.576.1228
  E-Link Manager
- Tonya Chadwell, chadwellt@osti.gov, 865.576.1035
  STIP Website Manager
- Jannean Elliott, elliottj@osti.gov, 865.576.6784
  Harvesting & Web Services Coordinator and New Media Analyst
- Susie Foust, fousts@osti.gov, 865.576.1191
  Energy Science & Technology Software (ESTSC) Manager, PPPL Site Liaison
- Judy Gilmore, gilmorej@osti.gov, 865.576.5600
  Scientific and Technical Information Program Manager,
  STI Policy/Procedure Coordination
- Lorrie Johnson, johnsonl@osti.gov, 865.576.1157
  DOE Headquarters Program STIP Liaison
- Joanna Martin, joanna.martin@science.doe.gov, 301.903.9617
  STIP HQ Support

**Serving the Nation…
by Sharing Science**

DOE's Office of Scientific and Technical Information (OSTI)

Thank you

Questions to STIP@OSTI.gov

U.S. DEPARTMENT OF ENERGY

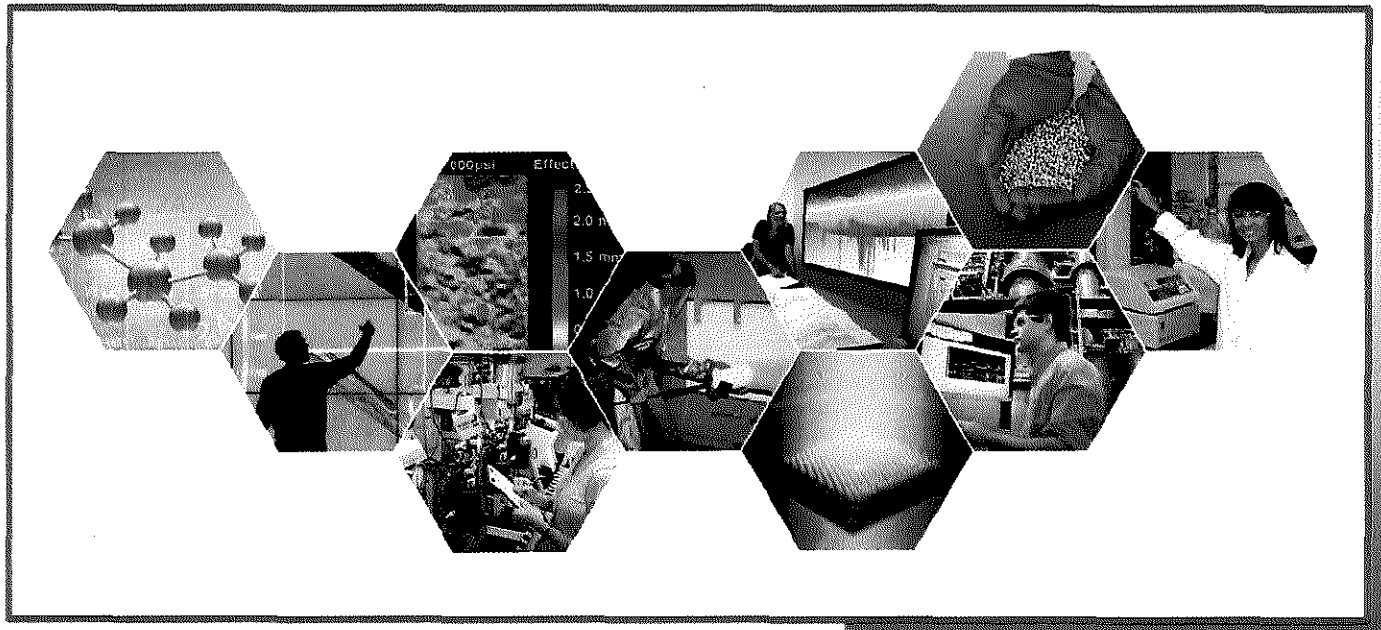
NNSA National Nuclear Security Administration

osti.gov

STIP
Scientific and Technical Information Program
U.S. Department of Energy
www.osti.gov/stip

NETL-12

Technical Product Review (TPR)



A Presentation
for ORD Supervisors
August 4, 2015

Goals of TPR

Differences between old and new

The Form

Emails

The Dashboard

Common Mistakes

Definitions and Terms

Goals

- High-quality, ORD-endorsed research products
- Documents appropriately distributed (e.g., to OSTI)
  - Compliance
    - DOE Order 241.1B (Scientific &Technical Information Management)
    - DOE Public Access Plan
- More user-friendly interface
- Useful management tool (data mining)
  - Common database for all documents produced under DOE funding passing through ORD

The Forms

- Available now – Federal authors
  - Conference presentations and papers
  - Journal Manuscripts
  - Book chapters and editorships
  - Technical Report Series (TRS) – just released
- Coming later
  - Integration for contractor, sub-contractor authors

Differences

Feature	Old TPR	New TPR
Workflow	Simple but incomplete	Comprehensive
Attachments	Two at most	Drafts, reviewed and revised documents, final accepted manuscripts
"Submit"	Emails sent	Emails sent, workflow advances
Dashboard	What dashboard?	One location to see and process all actions pertaining to user
OSTI uploads	Different location	Same form
Reports	Limited, except on request	FWP, Division, Status, Many others on request. Please request reports of interest.
Other systems	None	OSTI, OTS (for book chapters/editorships)

Submitter Form Sections – Blue

Request to Present or Publish

General Information (To be completed by Submitter)

Submitter	ORCID#	Publication No	Date
Summers, Cathy A.		NETL-PUB-2056;	7/28/201

What document or product do you plan to prepare? Select...

Title of Article or Presentation

Shortened Title ***(Notification subject line - please limit to 75 characters)***

Fiscal Year 2015

Site Select...

Program Office FE - USDOE Office of Fossil Energy (FE)

Division	Division Director	Division Org Code

Focus Area	Focus Area Leader

Click here to add another Focus Area
Click here to add another Focus Area

Team	Team Lead

Click here to add another Team
Click here to add another Team

Document Owner
(The system will send notifications to this person.)

(If the name is correct, but red, click on the checkmark.)
Summers, Cathy A.

Note: You may enter the authors in any order. Each author will be sent an informational e-mail that this process has been started.

If you are unsure who the NETL author's supervisor is, please refer to the ORD Organization Chart.

Supervisor Sections – Red

Supervisor – The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.
Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? ◉ Yes ○ No

Supervisor Reviewers - Are reviewers needed? ◉ Yes ○ No

Below is the list of reviewer(s) suggested by the Document Owner.

- If the reviewer(s) is acceptable, click **Supervisor Submit** below.
- If a different reviewer is preferred, delete the reviewer and supervisor's name and enter the desired reviewer, his or her supervisor and the type of review needed. Click **Supervisor Submit**.

Internal Reviewer	Reviewer's Supervisor	Type of Review ?
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	Policy
Kelly K. Rose	Mark L. Mckoy	Technical
Robert M. Dilmore	Jamie L. Brown	Technical

Review Due Date 3/20/2015 (Date by which review needs to be completed.)

Supervisor - Is an external review needed? ◉ Yes ○ No
(If yes, this review must be completed outside the TPR system.)

External Reviewer's Name	External Reviewer's Contact Information	Affiliation
Angela D. Linsbeck	Morgantown, WV	AECOM

Click here to add an External Reviewer

Supervisor Submit

Reviewer Sections – Green

+ - **Conference Reviewer Information**

Internal Reviewer Name Angela D. Linsbeck (CONTR)	◉ Accept or ◯ Decline **Reviewer Submit** ***Reminder***: Please save the document for review before submitting the form.
Internal Reviewer Name Kelly K. Rose	◯ Accept or ◯ Decline **Reviewer Submit**

Attachments & Comments

Date(s)	11/13/2015	to 11/19/2015
Abstract Due Date	4/1/2015	
Abstract Draft	ASME abstract.doc Microsoft Word D 1.78 MB	

Submitter - Are there restrictions on the release of information? ○ Yes ◉ No

Click here for Examples of Restricti

Caution: Documents in TPR are visible to all who have access to the ORD SharePoint site. Author should determine if this level of access is acceptable for the information being submitted. In addition, some information should not be submitted to OSTI.

Not sure? Click here

Employee Submit

Supervisor – The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.

Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? ○ **Yes** ○ **No**

Supervisor Determination (Abstract)

Please Select One

Supervisor Comments to Submitter

Supervisor can attach a document containing additional modifications Click here to attach a file

Supervisor Submi

Helpful Links and Explanations

- Journal Manuscript or Conference Proceeding

Publication Information (To be completed by Submitter)

Name of Publication

Publication Due Date

Publication Draft Click here to attach a file

To add a data set to EDX, click here: https://edx.netl.doe.gov/
(This is an external link. The information is not automatically sent to EDX.)

Submitter - Are there restrictions on the release of information? ○Yes ○No

Click here for Examples of Restric

Caution: Documents in TPR are visible to all who have access to the ORD SharePoint site. Author should determine if this level of access is acceptable for the information being submitted. In addition, some information should not be submitted to OSTI.

Not sure? Click here

Submitter - Would you like to suggest reviewers? ○Yes ○No

Employee Submit

Examples of Restrictions

Below are several examples of information that may be restricted and guidance to authors on handling such cases. Author should discuss other cases or any concerns with his/her supervisor.

1. Information developed entirely under non-NETL funding subject to contractual requirements; e.g., CRADAs and MOUs may limit what, when, and by whom information can be released. Author should:
   a. Comply with the terms of contract documents
   b. Upload only a cover page if document contains sensitive information
   c. NOT release final accepted manuscript to OSTI
2. Unprotected intellectual property (IP); e.g., potentially patentable information. Author should:
   a. Contact PASOD for information on how best to protect information
   b. Revise the paper/presentation, OR upload only the cover page of the document to TPR
   c. NOT release final accepted manuscript to OSTI until such time as disclosure is approved by PASOD experts
3. Preliminary data; e.g., data presented at a conference that will be published later. Author should:
   a. Use discretion in determining whether to upload presentation to TPR
   b. NOT release final conference presentation to OSTI

Return to Form

Emails

- Notifications
  - Next steps (link)
  - FYI
- Reminders
  - Actions occurring outside of TPR

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 8:39:39
CC: CONTR, CONTR; Linsbeck, Angela; Stiles, David
Subject: NETL-PUB-20170: Request to Present or Publish Initiated for Conference

<Supervisor name>

<Employee name> has initiated a Request to Present or Publish (RPP) a conference abstract. The document title is *Conference Sample*. Please click here to see the submission. Please approve or suggest additional modifications to the author.

Others cc'd on this email: This notification is for information purposes only.

If you have trouble with this form or the TPR site, please click here to find help.

Dashboard – One Stop

- User's submissions
- Items needing user action
  - Reviews
  - Approval
- Specific status

http://prod75-share2/sites/ORD2/TPR/default.aspx | Home - Technical Product ...

File Edit View Favorites Tools Help

ORD HUB | PA tax exemption | New Tab

Page Safety Tools

Site Actions | Browse | Page | Summers, Cathy A.

Office of Research and Development Hub

Organizational Support | Crosscutting Research Support | Research Program and Facilities | Research Internships and Fellowships | Publications and Outreach | Strategic Partnership Projects and Tech Transfer | Workspaces | Help

- Guidance & Support
- ORD Library
- Technical Product Review (TPR)

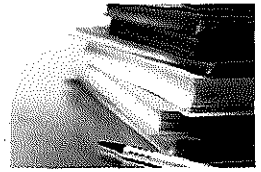
ORD Home > Technical Product Review (TPR)

This Site: Technical Pro

MY TPR Dashboard

Start a New Request (all EXCEPT TPR) | Start a New Request (TPR only)

*If no records are shown, you have no active requests. Please go to **MyTPRReports** for historical information.*



Points of Contact

Cathy A. Summers
Angela D. Linsbeck

TPR Links

- MyTPRDashboard
- MyTPRHelp
- MyTPRReports
- SearchTPR
- Guidance for Authors of Technical Papers
- NOI Archive

http://prod75-share2/sites/ORD2/TPR/ | 100%

Common Mistake #1

- Supervisor chooses "Approved" when it isn't

Abstract Draft 2015-Poster-Abstr
Adobe Acrobat Dc
218 KB

Submitter - Are there restrictions on the release of information? ○Yes ◉No
Click here for Examples of Restricti

Caution: Documents in TPR are visible to all who have access to the ORD SharePoint site. Author should determine if this level of access is acceptable for the information being submitted. In addition, some information should not be submitted to OSTI.
Not sure? Click here

Employee Submit

Supervisor – The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions. **Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above?** ◉**Yes** ○**No**

Supervisor Determination (Abstract)

Approved **Confirmed by**

Supervisor Comments to Submitter
Suggested changes are edited into the attached version.

Supervisor can attach a document containing additional modifications F7A09EAF.pdf
Adobe Acrobat Document
190 KB

Supervisor Submi

CM#1 Outcomes

- Workflow continues
- Email to submitter
  - "Approved! Send to conference/publisher"
- If final approval (of presentation or publication)
  - Informational copy to SCC / SCNGO sponsor
  - Email to submitter delayed by 7 days

Common Mistake #2

- Process is initiated too late

- TPR's first request: upload abstract or publication draft
- What's happening: presentations, posters, papers ready for publisher, copyrighted pdfs are attached

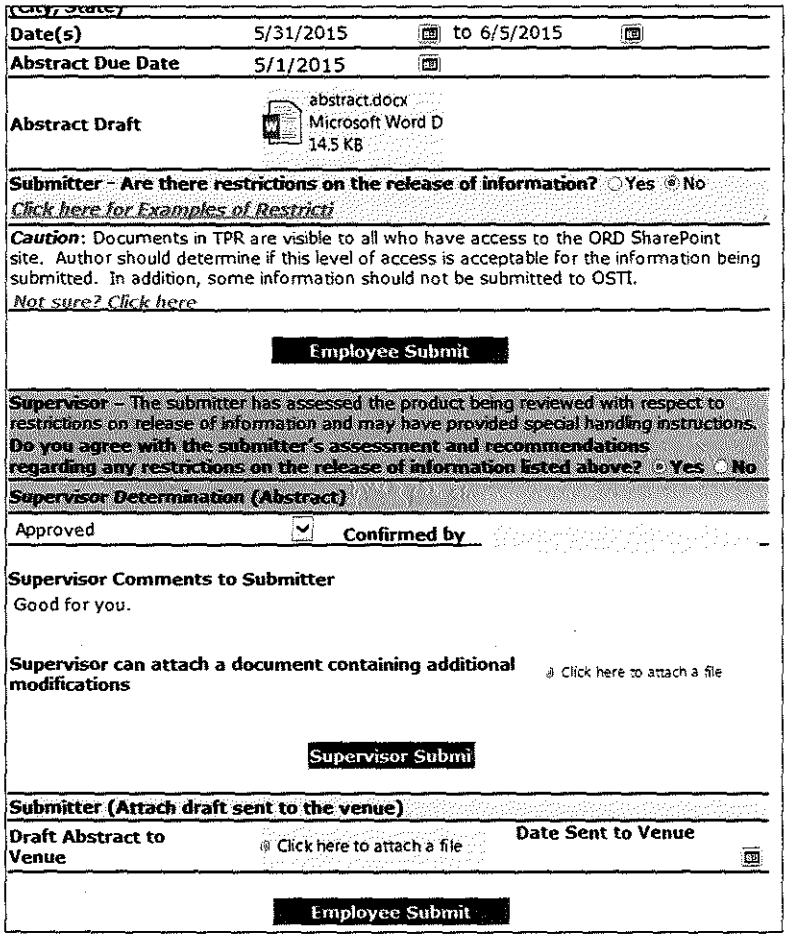
CM#2 Potential Outcomes

- TPR has no record of abstract approval (for conference submission)
- Action sits in TPR and doesn't complete
  - TPR doesn't sent reminders
- Submitter thinks he/she is done
  - Doesn't revisit TPR (to record abstract acceptance, enter presentation, poster, or final journal manuscript)
- Document doesn't make its way to OSTI

Common Mistake #3

- Process initiated but not continued

- Supervisor doesn't approve
- Submitter doesn't continue process



Date(s)	5/31/2015	to 6/5/2015
Abstract Due Date	5/1/2015	
Abstract Draft	abstract.docx Microsoft Word D 14.5 KB	

Submitter - Are there restrictions on the release of information? ○ Yes ◉ No

Click here for Examples of Restricti

Caution: Documents in TPR are visible to all who have access to the ORD SharePoint site. Author should determine if this level of access is acceptable for the information being submitted. In addition, some information should not be submitted to OSTI.

Not sure? Click here

Employee Submit

Supervisor – The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.

Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? ◉ Yes ○ No

Supervisor Determination (Abstract)

Approved **Confirmed by**

Supervisor Comments to Submitter

Good for you.

Supervisor can attach a document containing additional modifications Click here to attach a file

Supervisor Submi

Submitter (Attach draft sent to the venue)

Draft Abstract to Venue	Click here to attach a file	**Date Sent to Venue**

Employee Submit

CM#3 Outcomes

- No record of submittal
- TPR doesn't send reminders

Common Mistake #4

- TPR not used at all

- Approximately 50% of NETL publications that appeared in Web of Science in 2014 were not in OSTI
- Outcomes
  - Non-compliance
  - After-the-fact entries – few accepted manuscripts
  - Our publications are not available

Definitions and Terms

- Accepted Manuscript
  - What should be provided to OSTI
  - Final manuscript
    - Changes made during peer review
    - No publisher formatting
  - PDF format
- "Open Researcher and Contributor ID"
  - **ORC ID**
  - 16-digit unique number for each contributor
  - Registry of identifiers
  - TPR field
  - Periodic myPortal posts / link to ORCID site

Things to Remember

- Federal employees should initiate a TPR action whenever they generate an abstract or a draft publication.
- Supervisors should select "Approved" only if a document is ready to be released as-is.
- Users should follow all instructions provided in system-generated emails.
- POCs are available to help you if you have problems
  - Angela Linsbeck – for problems
  - Cathy Summers – for process questions

Date Posted	Question	Answer
7/21/2015	When opening the form, I get the following error: "The form cannot open because either the signature is corrupt, or the certificate used to sign the form is either expired or has been revoked."	In order to clear this error, the temporary InfoPath cache (files) on your computer needs to be cleared. Please complete the following steps (see attachment for screenshots):Click on the Start button (lower left corner).Type Run in the box that states Search Programs and FilesClick on the top Run under Programs.Type infopath /cache clearall (Make sure you put a space after InfoPath)Click OkClose Infopath and try to re-open the form. You should then be able to open the form without any issues. If you still have issues, please contact Angela Linsbeck.
4/10/2015	Many times, a conference will have a presentation, a paper publication in conference proceedings, and then may publish in a Journal as well. Is that all done with one NOI?	A presentation/poster then conference paper should be done on the same Request to Publish or Present. The journal manuscript should be done on a separate Request.
4/10/2015	Do we need to submit Power Point presentations and posters to TPR or just papers?	Presentations and Posters should be approved through the TPR process, but are not always submitted to OSTI. If the information presented in the presentation or poster is preliminary, it is not necessary to upload it to OSTI. All documents submitted to OSTI should be in PDF format.
4/10/2015	Can the title be changed after the TPR process is started?	Yes, you can change the title. However, please don't change the **Short Title** as it is used for the filename.
4/10/2015	If the lead author is an external author, how does this effect the process?	The focus of the TPR tool is to capture the authors and information pertaining to the presentation, poster, journal manuscript or book chapter. The order of the authors on the Request to Present or Publish form has no relevance. The document owner must be an NETL employee. At the end of the process, the full citation, with the authors listed in order, will be captured.
4/10/2015	Is an internal review always required?	The submitter's supervisor determines whether reviews are required. Although these are optional, it is strongly recommended they are used for documents that will not undergo external peer review.

NETL-14

Technical Product Review (TPR) Training

April, 2015

TPR Dashboard

TPR Form (Submitter)

Request to Present or Publish

General Information (To be completed by Submitter)

Submitter	OCR ID#	Publication No	Date
Angela D. Linsbeck	123456789	NETL-PUB-20180	3/30/2015

What document or product do you plan to prepare? Conference Presentation and/or Conference Proceeding

Title of Article or Presentation
Conference Test 3302015

Shortened Title ***(Notification subject line - please limit to 75 characters)***
Conference Test 3302015

Fiscal Year 2015

Site Morgantown

Program Office FE - USDOE Office of Fossil Energy (FE)

Division	Division Director	Division Org Code
Test Division	Angela D. Linsbeck	123456789

Focus Area Test Focus Area

Focus Area Leader Angela D. Linsbeck (CONTR)

Click here to add another Focus Area
Click here to add another Focus Area

Team Test Team

Team Lead Angela D. Linsbeck (CONTR)

Click here to add another Team
Click here to add another Team

Document Owner
(The system will send notifications to this person.)

(If the name is correct, but red, click on the checkmark.)
Angela D. Linsbeck (CONTR)

TPR Form (Submitter)

Note: You may enter the authors in any order. Each author will be sent an informational e-mail that this process has been started.

NETL Internal Author	Internal Author Supervisor	Internal Author Affiliation (i.e., ORD, AECOM, ORISE)
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	AECOM

Insert item

External Author	External Author E-mail	External Author Affiliation
Angela D. Linsbeck	[redacted]	AECOM

Insert item

* **OSTI Subject Area(s)** *(More than one can be selected)* *Click here for Subject Area Descriptions*

- ☐ 01 - COAL, LIGNITE, AND PEAT
- ☐ 02 - PETROLEUM
- ☑ 03 - NATURAL GAS
- ☐ 04 - OIL SHALES AND TAR SANDS
- ☐ 07 - ISOTOPE AND RADIATION SOURCES

Keywords

natural gas, petroleum, coal

TPR Form (Submitter)

Work can be associated with either DOE Funded work or externally funded work.

Is the document associated with DOE funded work? ◉ Yes ○ No

FWP, Other DOE Contract, etc. | **Technical Portfolio Lead or Technical Task Coordinator**

Click here to add another FWP
Click here to add another FWP

Click here to add DOE funded work not in the list

Is the document associated with externally funded work? ◉ Yes ○ No

Please specify all of the following that are available. (*Agreement type, contract number, and sponsor.*)

TPR Form (Submitter)

- Conference Abstract

Conference Abstract Information (To be completed by Submitter)

Conference Name	Test Conference			
Conference Location (City, State)	Morgantown, WV			
Date(s)	4/7/2015		to 4/9/2015	
Abstract Due Date	4/3/2015			
Abstract Draft	ORD Organizational Cha Adobe Acrobat Docume 291 KB			

Submitter - Are there restrictions on the release of information? ◉ Yes ○ No

Click here for Examples of Restrictions

Caution: Documents in TPR are visible to all who have access to the ORD SharePoint site. Author should determine if this level of access is acceptable for the information being submitted. In addition, some information should not be submitted to OSTI. *Not sure? Click here*

Please note the restrictions.

Statements regarding special handling of restricted information (more than one can be checked)

- ☐ Contractual requirements have been met (e.g., for CRADA/MOU; contact submitter for details)
- ☐ On hold until IP is protected
- ☐ Cover page only uploaded to TPR (contact submitter for full document)
- ☐ Do not release final document to OSTI

Employee Submit

TPR Form (Submitter)

Examples of Restrictions

Below are several examples of information that may be restricted and guidance to authors on handling such cases. Author should discuss other cases or any concerns with his/her supervisor.

1. Information developed entirely under non-NETL funding subject to contractual requirements; e.g., CRADAs and MOUs may limit what, when, and by whom information can be released. Author should:
   a. Comply with the terms of contract documents
   b. Upload only a cover page if document contains sensitive information
   c. NOT release final accepted manuscript to OSTI
2. Unprotected intellectual property (IP); e.g., potentially patentable information. Author should:
   a. Contact PASOD for information on how best to protect information
   b. Revise the paper/presentation, OR upload only the cover page of the document to TPR
   c. NOT release final accepted manuscript to OSTI until such time as disclosure is approved by PASOD experts
3. Preliminary data; e.g., data presented at a conference that will be published later. Author should:
   a. Use discretion in determining whether to upload presentation to TPR
   b. NOT release final conference presentation to OSTI

Return to Form

TPR Form (Submitter)

Should the Document be Submitted to OSTI?

Under the DOE Public Access Plan, all final peer-reviewed and accepted manuscripts describing unrestricted research findings and produced completely or partially with DOE funding are to be submitted to OSTI.*

Do not select this field if your document contains restricted information. See ***examples of restricted*** information on the form.

Do not select this field if your document was produced with non-DOE funding.

If you select the "Submit to OSTI" field, upload your Accepted Manuscript. The Accepted Manuscript is the version of the article that has been accepted for publication by a publisher and includes changes made by the author during the peer-review process.

* Special case: If you have edited a book using DOE funding, always select "Submit to OSTI," but upload only the portions you have written, i.e., you may have an Introduction to upload or you may upload nothing.

Return to Form

TPR Dashboard

MY TPR Dashboard

Start a New Request

If no records are shown, you have no active requests. Please go to MyTPRReports for historical information.

My TPR Requests

Name	Title of Document	Modified	Status
Second Sample Conference-NETL-PUB-20181 NEW	Second Sample Conference	3/31/2015 11:01 AM	Initiated
Conference Test 3302015-NETL-PUB-20180 NEW	Conference Test 3302015	3/31/2015 8:25 AM	Waiting for Supervisor Approval
Book Chapter Sample-NETL-PUB-20172	Book Chapter Sample	3/18/2015 10:55 AM	Waiting for Upload to OSTI
Sample Journal Manuscript-NETL-PUB-20171	Sample Journal Manuscript	3/17/2015 9:05 AM	Waiting for Upload to OSTI
Conference Sample-NETL-PUB-20170	Conference Sample	3/18/2015 9:16 AM	Waiting for Upload to OSTI

TPR E-mail Initial Request

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 8:39:39 AM

CC: CONTR, CONTR; Linsbeck, Angela; Stiles, David

Subject: NETL-PUB-20170: Request to Present or Publish Initiated for Conference

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has initiated a Request to Present or Publish (RPP) a conference abstract. The document title is *Conference Sample*. Please click here to see the submission. Please approve or suggest additional modifications to the author.

Others cc'd on this email: This notification is for information purposes only.

If you have trouble with this form or the TPR site, please click here to find help.

{C1}

TPR External Author E-mail

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "NETL-Technical Product Review" <webapps@netl.doe.gov> 3/16/2015 8:31:46 AM
To: alinsbeck@gmail.com
CC: Linsbeck, Angela
Subject: NETL-PUB-20170: Request to Present or Publish Presented

Angela D. Linsbeck has submitted a Request to Present or Publish to his or her supervisor for approval to submit Conference Sample.

Angela D. Linsbeck will inform you of the status of the request.

Please DO NOT respond to this email.

Message

Invalid Signature.pdf

TPR Form (Supervisor)

Requests Awaiting My Review and/or Approval

Name	Document Owner	Title of Document	Modified	Status
Form for Dashboard Examples -NETL-PUB-20187 NEW	Angela D. Linsbeck (CONTR)	Form for Dashboard Examples	4/8/2015 3:14 PM	Waiting for Supervisor Review

Supervisor – The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.

Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? ○ **Yes** ○ **No**

Supervisor Determination (Abstract)

Approved **Confirmed by** **Angela D. Linsbeck (CONTR)**

- Please Select One
- Approved
- Return to Document Owner
- Cancel

Supervisor Comments to Submitter

Supervisor can attach a document containing additional modifications Click here to attach a file

Supervisor Submit

Supervisor Requests Changes

Submitter (Attach draft with Supervisor's additional modifications)

Modified Abstract

calendar-time-zone.pdf
Adobe Acrobat Document
116 KB

Employee Submit

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 8:50:41 AM
To: Linsbeck, Angela
Subject: NETL-PUB-20170: Conference Abstract returned for Modifications

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) is requesting modifications to your conference abstract submitted on the Request to Present or Publish (RPP). The document title is *Conference Sample*.

The following comments were included on the form (if blank, your supervisor did not add comments):

Please change title

After the modifications are made, click here to attach the revised abstract and resubmit the form.

If you have trouble with this form or the TPR site, please click here to find help.

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 9:07:06 AM
CC: Linsbeck, Angela
Subject: NETL-PUB-20170: Revised Request to Present or Publish

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has addressed your comments and revised the conference abstract submitted on the Request to Present or Publish (RPP). The document title is *Conference Sample*. Please click here to see the revised submission, and approve or cancel the request.

If you have trouble with this form or the TPR site, please click here to find help.

TPR E-mail Supervisor Determination

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 4/1/2015 11:50:09 AM

To: Linsbeck, Angela

Subject: NETL-PUB-20180: Supervisor Cancelled Request to Present or Publish

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has **cancelled** the Request to Publish or Present (RPP) for the conference presentation or poster titled *Conference Test 3302015*.

Click here to open the form to review your supervisor's comments.

If you have trouble with this form or the TPR site, please click here to find help.

(CS4)

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/18/2015 9:21:54 AM

CC: Linsbeck, Angela; Stiles, David

Subject: NETL-PUB-20170: Approval to Submit Abstract

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has **approved** *Conference Sample* for release. You may submit the abstract to Sample Conference.

Please click here to attach the abstract sent to the venue and add the date sent.

After the abstract has been accepted or declined, please return to the form to continue the process or cancel the request.

Others cc'd on this email: This notification is for information purposes only.

If you have trouble with this form or the TPR site, please click here to find help.

(CS)

TPR Form (Submitter)

Submitter (Attach draft sent to the venue)

Draft Abstract to Venue

ORD Re-org chart.pdf
Adobe Acrobat Document
102 KB

Date Sent to Venue
3/16/2015

Employee Submit

My TPR Requests

NEW	Second Sample Conference	3/31/2015 2:20 PM	Waiting for Acceptance by Venue
NEW	Test Conference Sample	4/1/2015 11:45 AM	Abstract Approved
	Conference Test 3302015	4/1/2015 11:45 AM	Waiting for Supervisor

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail Properties Personalize Message Source Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 9:51:42 AM
To: Linsbeck, Angela
Subject: NETL-PUB-20170: Reminder to Update Conference Acceptance on RPP

Angela D. Linsbeck (CONTR),

You submitted *Conference Sample* to Sample Conference on 3/16/2015.

Please click here to return to the request to indicate if the abstract was accepted or not.

If you have trouble with the form or the TPR site, click here to find help.

TPR Form (Submitter)

Submitter - Was the abstract accepted by the venue? ◉ Yes ○ No

- Conference Presentation or Poster

Conference Presentation or Poster Information (To be completed by Submitter)

Conference Name	Sample Conference
Conference Location (City, State)	Morgantown, WV
Date(s)	3/23/2015 to 3/25/2015

Presenters' Names

Angela D. Linsbeck (CONTR)

Insert item

☑ Oral Presentation Only ☐ Poster Only ☐ Oral Presentation and Poster

Presentation or Poster Draft ORD Organizational Chart.pdf
Adobe Acrobat Document
291 KB

To add a data set to EDX, click here: https://edx.netl.doe.gov/
(This is an external link. The information is not automatically sent to EDX.)

Submitter - Are there restrictions on the release of information? ○ Yes ◉ No

Click here for Examples of Restrictions

Caution: Documents in TPR are visible to all who have access to the ORD SharePoint site. Author should determine if this level of access is acceptable for the information being submitted. In addition, some information should not be submitted to OSTI. *Not sure? Click here*

TPR Form (Submitter)

Submitter - Would you like to suggest reviewers? ◉ Yes ○ No

Review Due Date 3/20/2015 (Date by which review needs to be completed.)

Suggested Internal Reviewer's Name	Suggested Reviewer's Supervisor	Type of Review
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	Editorial
Kelly K. Rose	Mark L. Mckoy	Technical
Robert M. Dilmore	Jamie L. Brown	Technical

Submitter Suggested External Reviewers
(External reviews are conducted outside of the TPR system)

External Reviewer's Name	External Reviewer's Contact Information	Affiliation
Angela D. Linsbeck	Morgantown, WV	AECOM

Click here to add an External Reviewer

Employee Submit

TPR E-mail Request to Review / Approve Presentation

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 10:11:52 AM

CC: Linsbeck, Angela; Stiles, David

Subject: NETL-PUB-20170: Request to Present or Publish (RPP) for Conference Presentation

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has continued the Request to Publish or Present (RPP) for the conference presentation or poster titled *Conference Sample*. Please click here to see the submission and submit the document for review.

Please select reviewers and submit it for review. If it does not need additional review, please approve or suggest additional modifications to the author.

Others cc'd on this email: This notification is for information purposes only.

If you have trouble with this form or the TPR site, please click here to find help.

(C6)

TPR Form (Supervisor)

Supervisor – The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.
Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? ◉ Yes ○ No

Supervisor Reviewers - Are reviewers needed? ◉ Yes ○ No

Below is the list of reviewer(s) suggested by the Document Owner.

- If the reviewer(s) is acceptable, click **Supervisor Submit** below.
- If a different reviewer is preferred, delete the reviewer and supervisor's name and enter the desired reviewer, his or her supervisor and the type of review needed. Click **Supervisor Submit**.

Internal Reviewer	Reviewer's Supervisor	Type of Review ?
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	Policy
Kelly K. Rose	Mark L. Mckoy	Technical
Robert M. Dilmore	Jamie L. Brown	Technical

Review Due Date 3/20/2015 (Date by which review needs to be completed.)

Supervisor - Is an external review needed?
(If yes, this review must be completed outside the TPR system.) ◉ Yes ○ No

External Reviewer's Name	External Reviewer's Contact Information	Affiliation
Angela D. Linsbeck	Morgantown, WV	AECOM

Click here to add an External Reviewer

Supervisor Submit

TPR Form (Reviewer)

+ - Conference Reviewer Information

Internal Reviewer Name	
Angela D. Linsbeck (CONTR)	◉ Accept or ○ Decline **Reviewer Submit** ***Reminder***: Please save the document for review before submitting the form.
Internal Reviewer Name	
Kelly K. Rose	○ Accept or ○ Decline **Reviewer Submit**

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 12:31:46 PM
CC: Linsbeck, Angela
Subject: NETL-PUB-20170: Reviewer Accepted Request

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has **accepted** your request to review *Conference Sample* submitted by Angela D. Linsbeck (CONTR).

Others cc'd on this email: This notification is for information purposes only.

If you have trouble with this form or the TPR site, please click here to find help.

(C9A1)

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 4/1/2015 12:17:20 PM
CC: Linsbeck, Angela
Subject: NETL-PUB-20181: Reviewer Declined Request

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has **declined** your request to review *Test Conference Sample* submitted by Angela D. Linsbeck (CONTR).

If you would like to add an alternate reviewer, click here to open the request.

Others cc'd on this email: This notification is for information purposes only.

If you have trouble with this form or the TPR site, please click here to find help.

(C9A2)

TPR Reviewer Reminder/Complete

Internal Reviewer Name Angela D. Linsbeck (CONTR)

Reviewer Submit

Comments
see attached comments.

calendar-time-zone.pdf
Adobe Acrobat Document
116 KB

Journal Manuscript or Conference Proceeding Requests Awaiting My Review

Name	Title of Document	Modified	Status
Form for Dashboard Examples-NETL-PUB-20167 NEW	Form for Dashboard Examples	4/8/2015 5:30 PM	Waiting for Internal Review

Close Reply Reply All Forward

Mail Properties Personalize Message Source Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 12:31:46

To: Linsbeck, Angela

Subject: NETL-PUB-20170: Reminder to Complete Review

Angela D. Linsbeck (CONTR),

You accepted the request to review *Conference Sample* submitted by Angela D. Linsbeck (CONTR). Please click here to return to the form to complete your review by adding comments and/or attaching the document using track changes.

The review is due by 3/20/2015.

If you have trouble with the form or the TPR site, please click here to find help.

(CIB)

Mail Properties Personalize Message Source Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 1:21:45

To: Linsbeck, Angela

Subject: NETL-PUB-20170: Internal reviews complete

Angela D. Linsbeck (CONTR),

The internal reviewers have completed the review of *Conference Sample*. Please click here to view the reviewer's comments and changes.

Responses to the reviewer must be sent by email (outside of TPR). After responding, if necessary, and revising the document, please click here to open the Request to Present or Publish and attach the revised document to be sent to your supervisor for review.

If you have trouble with this form or the TPR site, please click here to find help.

(CIB)

TPR Form (Submitter)

Submitter (Attach draft with Reviewers' comments)

Draft after Review

calendar-time-zone.pdf
Adobe Acrobat Document
116 KB

Employee Submit

Testing Conference Presentation Awaiting Review Webpart 04022015-NETL-PUB-20185	Testing Conference Presentation Awaiting Review Webpart 04022015	4/3/2015 3:45 PM	Waiting for Internal Review
Testing Journal Manuscript Awaiting Review Webpart 04022015-NETL-PUB-20184	Testing Journal Manuscript Awaiting Review Webpart 04022015	4/3/2015 3:45 PM	Waiting for Internal Review

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 1:31:39 PM
CC: Linsbeck, Angela
Subject: NETL-PUB-20170: Request to Approve Conference Presentation or Poster

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has addressed the reviewer comments and revised the Conference Presentation titled *Conference Sample*. Please click here to see the revised submission and approve it or suggestion additional modifications to the author.

If you have trouble with the form or TPR site, please click here to find help.

(C1:)

TPR E-mail SCC/ SCNGO

Mail From: "NETL-Technical Product Review" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail Properties Personalize Message Source Discussion Thread

From: "NETL-Technical Product Review" <webapps@netl.doe.gov> 3/19/2015 3:56:50 PM

To: Bellotti, Derek; Stiles, David

CC: Linsbeck, Angela

Subject: NETL-PUB-20170: Notification – ORD Research Results to be Released

Angela D. Linsbeck is sending you notification that a document titled Conference Sample will be submitted to Sample Conference seven (7) days from the date of this e-mail.

A copy of the document is attached.

Please DO NOT respond to this email. Contact Angela D. Linsbeck with questions or comments.

Message

Invalid Signature.pdf

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail Properties Personalize Message Source Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/17/2015 12:02:51 AM

To: Linsbeck, Angela

Subject: NETL-PUB-20147: Notification - Document Can Be Released

Angela D. Linsbeck (CONTR),

It has been seven days since the sponsor was notified that *Journal SCC SCGHO No Review No Mod* would be released. You may now release the document to Test publication.

Click here to attach the draft document sent to the publication and add the estimated response date to the request form.

If you have trouble with the form or the TPR site, please click here to find help.

(v155)

TPR Form (Submitter)

Submitter (Attach draft sent to the conference)

Note: If there is an FWP selected above, SCC/SCNGO was sent an informational copy upon final approval by your supervisor.

Draft Document to Conference

Invalid Signature.pdf
Adobe Acrobat Document
21.9 KB

Estimated Response Date
3/27/2015

Employee Submit

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 4:31:36 PM
To: Linsbeck, Angela
Subject: NETL-PUB-20170: Reminder to Complete Conference Presentation Process

Angela D. Linsbeck (CONTR),

Conference Sample, submitted to Sample Conference, was presented on 3/23/2015. Please click here to return to the form to indicate if the presentation should be submitted to OSTI or not, and upload the final version presented to the conference.

If you have trouble with the form or the TPR site, please click here to find help.

Ready for Upload to OSTI

OSTI Information

Submitter - Do you want to submit this document to OSTI? ◉ Yes ○ No

Not sure? Click here

Citation Information:

Test citation

Pease attach the FINAL accepted Presentation or Poster. Invalid Signature.pdf Adobe Acrobat Document 21.9 KB

Are you expanding this document for conference proceedings? ○ Yes ◉ No

Employee Submit

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "NETL-Technical Product Review" <webapps@netl.doe.gov> 3/16/201

To: Stiles, David

CC: Linsbeck, Angela

Subject: NETL-PUB-20170: Document Ready for Upload to OSTI

The attached document is ready to be uploaded to OSTI.

Publication Number: NETL-PUB-20170
Document Owner: Angela D. Linsbeck
Document Type: Conference Presentation and/or Conference Proceeding
Title of Document: Conference Sample
Keywords: petroleum, natural gas
OSTI Subject Areas: 03 - NATURAL GAS 02 - PETROLEUM
Division: Test Division
Name of Conference: Sample Conference
Author(s): Angela D. Linsbeck (CONTR); David B. Stiles (CONTR);
Citation: Test citation

Once the document is uploaded to OSTI, please return to the TPR Dashboard (http://prod75-share2/sites/OFD2/TPR/default.aspx) to record the OSTI number and date uploaded.

Message Invalid Signature.pdf

TPR Form (Submitter)

Are you expanding this document for conference proceedings? ◉ Yes ○ No

Continue

- Journal Manuscript or Conference Proceeding

Publication Information (To be completed by Submitter)

Name of Publication	Test publication
Publication Due Date	4/24/2015
Publication Draft	calendar-time-zone.pdf Adobe Acrobat Document 116 KB

To add a data set to EDX, click here: https://edx.netl.doe.gov/
(This is an external link. The information is not automatically sent to EDX.)

Submitter - Are there restrictions on the release of information? ○ Yes ◉ No

Click here for Examples of Restrictions

Caution: Documents in TPR are visible to all who have access to the ORD SharePoint site. Author should determine if this level of access is acceptable for the information being submitted. In addition, some information should not be submitted to OSTI. *Not sure? Click here*

Submitter - Would you like to suggest reviewers? ○ Yes ◉ No

Employee Submit

TPR Form (Supervisor)

Supervisor - The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.

Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? ◉ **Yes** ○ **No**

Supervisor Reviewers - Are reviewers needed? ◉ Yes ○ No

Below is the list of reviewer(s) suggested by the Document Owner.

- If the reviewer(s) is acceptable, click **Supervisor Submit** below.
- If a different reviewer is preferred, delete the reviewer and supervisor's name and enter the desired reviewer, his or her supervisor and the type of review needed. Click **Supervisor Submit** below.

Internal Reviewer's Name	Reviewer's Supervisor	Type of Review ?
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	Policy

Review Due Date 4/17/2015 (Date by which review(s) need to be completed.)

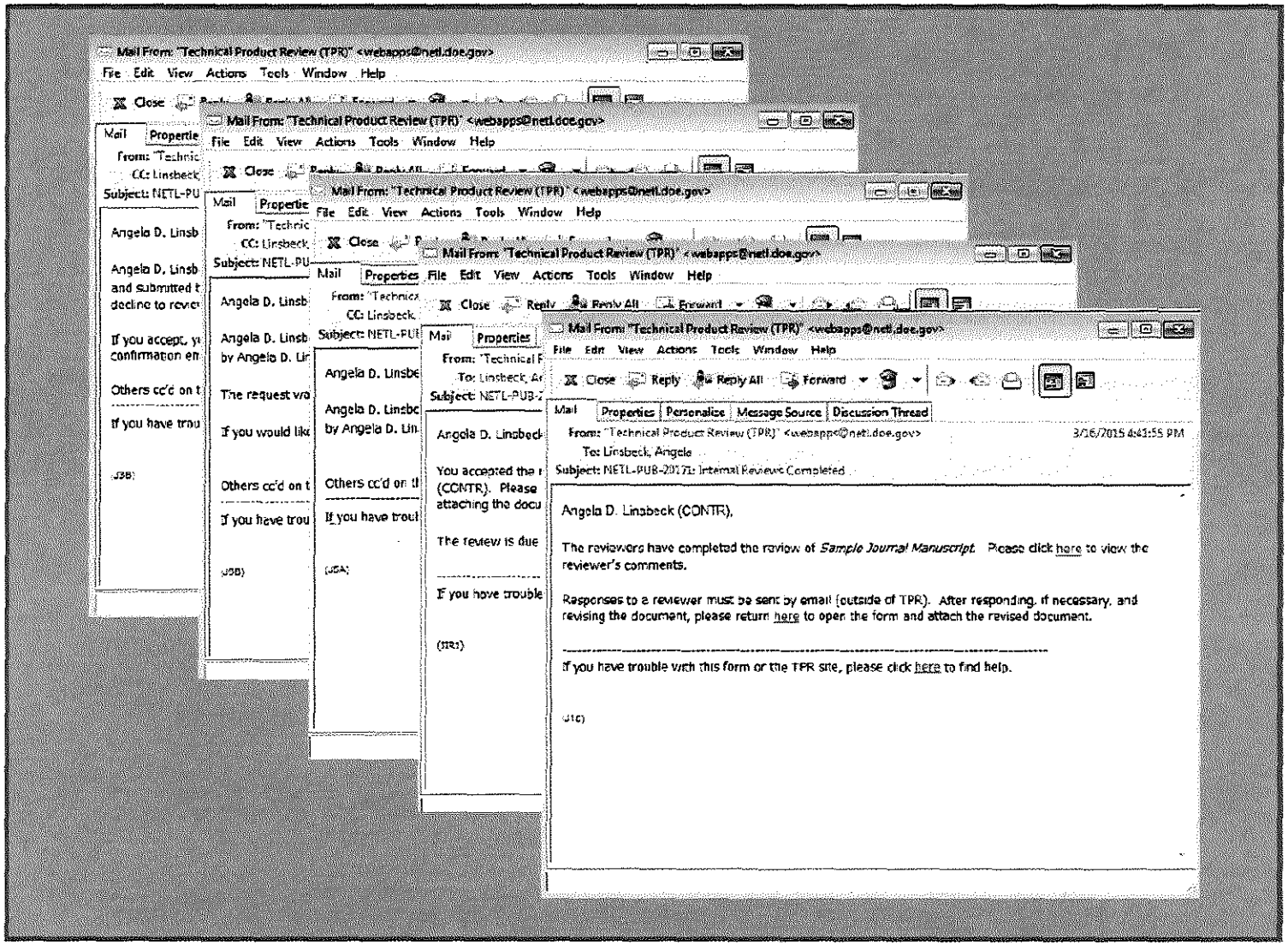
Is an external review needed?
(If yes, this review must be completed outside of the TPR system.) ○ Yes ◉ No

External Reviewer's Name	External Reviewer's Contact Information	Affiliation

Click here to add an External Reviewer

Supervisor Submit

TPR E-mails Reviewers



TPR Form

Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? Yes No

Supervisor Reviewers – Are reviewers needed? Yes No

Below is the list of reviewer(s) suggested by the Document Owner.

- If the reviewer(s) is acceptable, click **Supervisor Submit** below.
- If a different reviewer is preferred, delete the reviewer and supervisor's name and enter the desired reviewer, his or her supervisor and the type of review needed. Click **Supervisor Submit** below.

Internal Reviewer's Name	Reviewer's Supervisor	Type of Review ?
Angela D. Linsbeck (CONTR)	ADMIN\linsbeca	

Review Due Date 4/17/2015 (Date by which review(s) need to be completed.)

Is an external review needed?
(If yes, this review must be completed outside of the TPR system.) Yes No

External Reviewer's Name	External Reviewer's Contact Information	Affiliation

Click here to add an External Reviewer

Supervisor Submit

Journal Reviewer Information

Internal Reviewer Name	
Angela D. Linsbeck (CONTR)	Accept or Decline **Reviewer Submit**

TPR Form

Journal Reviewer Information

Internal Reviewer Name
Angela D. Linsbeck (CONTR)

Accept or Decline

Reviewer Submit

Reminder: Please save the document for review before submitting the form.

Internal Reviewer Name **Angela D. Linsbeck (CONTR)**

Reviewer Submit

Comments
see attached

ORD Re-org chart.pdf
Adobe Acrobat Document
102 KB

Submitter (Attach draft with Reviewers' comments)

Draft after Review

Click here to attach a file

Employee Submit

TPR E-mail Approved (No FWP)

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/17/2015 8:21:57 AM

To: Linsbeck, Angela

Subject: NETL-PUB-20171: Request to Present or Publish Approved

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has **approved** the Request to Present or Publish for the document titled *Sample Journal Manuscript*. You may now release this document to Sample Journal.

Click here to attach the draft document sent to the publication and the estimated response date to the request form.

Others cc'd on this email: This notification is for information purposes only.

If you have trouble with the form or the TPR site, please click here to find help.

(J15A)

TPR Form (Submitter)

Submitter (Attach draft sent to the publication)

Note: If there is an FWP selected above, SCC/SCNGO was sent an informational copy upon final approval by your supervisor.

Draft Document to Publication | Click here to attach a file | **Estimated Response Date** 4/24/2015

Employee Submit

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/17/2015 8:42:05 AM
To: Linsbeck, Angela
Subject: NETL-PUB-20171: Reminder to Complete TPR Process

Angela D. Linsbeck (CONTR),

Sample Journal Manuscript, submitted to Sample Journal, has been under peer review. Have you received a letter from the publisher indicating whether it was accepted and do you have a citation?

If yes, click here to return to the form and complete the process.

If no, delete this email. Another reminder will be sent later.

If you have trouble with the form or the TPR site, please click here to find help.

JP1

Ready for Upload to OSTI

Submitter - Was the publication accepted? ◉ Yes ○ No

OSTI Information

Do you want to submit this document to OSTI? ◉ Yes ○ No *Not sure? Click here*

Citation Information:
Test citation

Please attach the FINAL accepted Publication. ORD Organizational Chart.p Adobe Acrobat Document 291 KB

Employee Submit

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "NETL-Technical Product Review" <webapps@netl.doe.gov> 3/17/2015 8:56:38 AM
To: Stiles, David
CC: Linsbeck, Angela
Subject: NETL-PUB-20171: Document Ready for Upload to OSTI

The attached document is ready to be uploaded to OSTI.

Publication Number: NETL-PUB-20171
Document Owner: Angela D. Linsbeck
Document Type: Journal Manuscript
Title of Document: Sample Journal Manuscript
Keywords: natural gas, isotope and radiation
OSTI Subject Areas: 03 - NATURAL GAS07 - ISOTOPE AND RADIATION SOURCES
Division: Test Division
Name of Publication: Sample Journal
Author(s): Angela D. Linsbeck (CONTR);
Citation: Citation for Sample Journal Manuscript

Once the document is uploaded to OSTI, please return to the TPR Dashboard (http://prod75-share2/sites/ORD2/TPR/default.aspx) to record the OSTI number and date uploaded.

Message ORD Re-org chart.pptx

TPR Form

Is the document associated with externally funded work? ○ Yes ◉ No

- Book Chapter or Book Editorship

Information about Book Chapter or Book Editorship (To be completed by Submitter)

Summary of Proposed Contribution

ORD Re-org chart.pptx
Microsoft PowerPoint Presentation
108 KB

Supporting Documentation

Copy request form.pdf
Adobe Acrobat Document
81.4 KB

Explain why your supervisor should approve this request.
Please approve this request.

Employee Submit

Supervisor Determination (Summary)

Approved **Confirmed by:** **Angela D. Linsbeck (CONTR)**

Supervisor Comments to Submitter

Supervisor Submit

TPR Form

Submitter - Do you still plan to contribute? ◉ Yes ○ No

Submitter - Is a proposal required? ◉ Yes ○ No

Draft Book or Book Chapter Proposal

ORD Organizational Chart.pdf
Adobe Acrobat Document
291 KB

Employee Submit

Submitter (Attach draft with Supervisor's additional modifications)

Modified Book or Book Chapter Proposal

InvalidSignature.pdf
Adobe Acrobat Document
21.9 KB

Employee Submit

Supervisor Determination (Proposal)

Approved

Confirmed by: **Angela D. Linsbeck (CONTR)**

Supervisor Comments to Submitter

See attached.

Supervisor can attach a document containing additional modifications

calendar-time-zone.pdf
Adobe Acrobat Docume
116 KB

TPR Form

Submitter (Attach draft sent to book editor)

Book or Book Chapter Proposal sent to Editor or Publisher

ORD Organizational Cha
Adobe Acrobat Docume
291 KB

Submission Date
3/17/2015

Employee Submit

Submitter - Was the proposal accepted by the book editor or publisher? Yes No

Submitter (Attach final proposal that was accepted by the book editor or publisher)

Accepted Book or Book Chapter Proposal

ORD Organizational Chi
Adobe Acrobat Docume
291 KB

Acceptance Date
3/17/2015

Submitter

STOP

The contract with the publisher must now be approved through the NETL legal department. This approval is done outside of the TPR system, via the Organizational Tracking System (OTS). If the OTS process has not been started, please contact your administrative assistant.

Please return to the form once approval or denial is received.

Submitter - If you decide not to pursue approval through the OTS process, please click the button to cancel the request.

Cancel Request

Employee Submit

Submitter - Was the OTS approved? Yes No

OTS Approval Documents

AbstractTest3.docx
Microsoft Word Document

TPR Form

Submitter - Was the OTS approved? ◉ Yes ○ No

OTS Approval Documents AbstractTest3.docx Microsoft Word Document 40.8 KB — Click here to attach a file

Publisher Contract AbstractTest2.docx Microsoft Word Document 40.8 KB

Submitter - If you still need to write the book chapter, click the button to save and close the form. Save

Book Publisher Name Sample Publisher

Book Introduction or Book Chapter Draft AbstractTest2.docx Microsoft Word Document 40.8 KB

Media (select as many as appropriate) ☑ E-Book ☐ Printed Book

To add a data set to EDX, click here: https://edx.netl.doe.gov/
(This is an external link. The information is not automatically sent to EDX.)

Submitter - Would you like to suggest reviewers? ◉ Yes ○ No

Review Due Date 3/25/2015 (Date by which review(s) need to be completed.)

Suggested Internal Reviewers	*Suggested Reviewer's Supervisor*	**Type of Review** ?
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	Technical

Click here to add a Second Reviewer

Submitter Suggested External Reviewers
(External reviews are conducted outside of the TPR system)

External Reviewer's Name	**External Reviewer's Contact Information**	**Affiliation**

TPR Help

My TPR Help

Reference Documents

Type	Name
	Book Chapter Flowchart
	Book Chapter Sample Form
	Conference Paper Flowchart
	Conference Presentation Flowchart
	Conference Sample Form
	Journal Manuscript Flowchart
	Journal Sample Form

Frequently Asked Questions

Question	Answer
Can the title be changed after the TPR process is started?	Yes, you can change the title, but please don't change the **Short Title** as it is used for the filename.
Many times, a conference will have a presentation, a paper publication in conference proceedings, and then	A presentation/poster then conference paper should be done on the same Request to Publish or Present. The journal manuscript should be done on a

Points of Contact

Cathy A. Summers
Angela D. Linsbeck

TPR Links

- MyTPRDashboard
- MyTPRHelp
- MyTPRReports
- SearchTPR
- *Guidance for Authors of Technical Papers*
- NOI Archive

TPR Reports

My TPR Reports

General Reports

- All Requests by Division
- All Requests Cancelled
- All Requests in Progress
- All Requests Uploaded to OSTI
- All Requests with an Error
- My Complete TPR Requests
- My TPR Requests in Progress
- Requests for FY2013

TPR Reports By Division

- Computational Science & Engineering Division
- Chemistry Research Support Division
- CRSD - Operation Engineering Branch
- CRSD - Laboratory Safety Branch

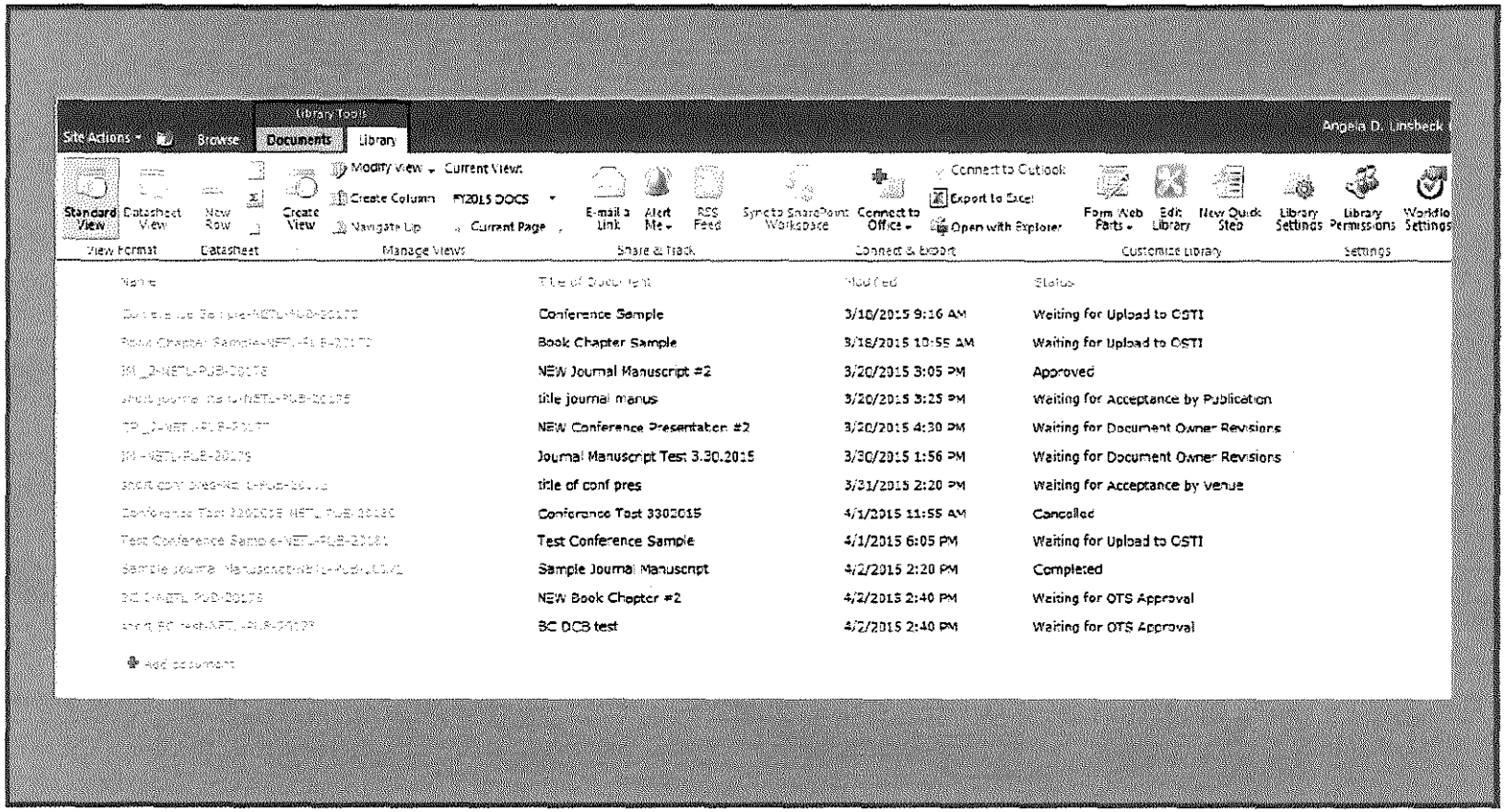
Points of Contact

Cathy A. Summers
Angela D. Linsbeck

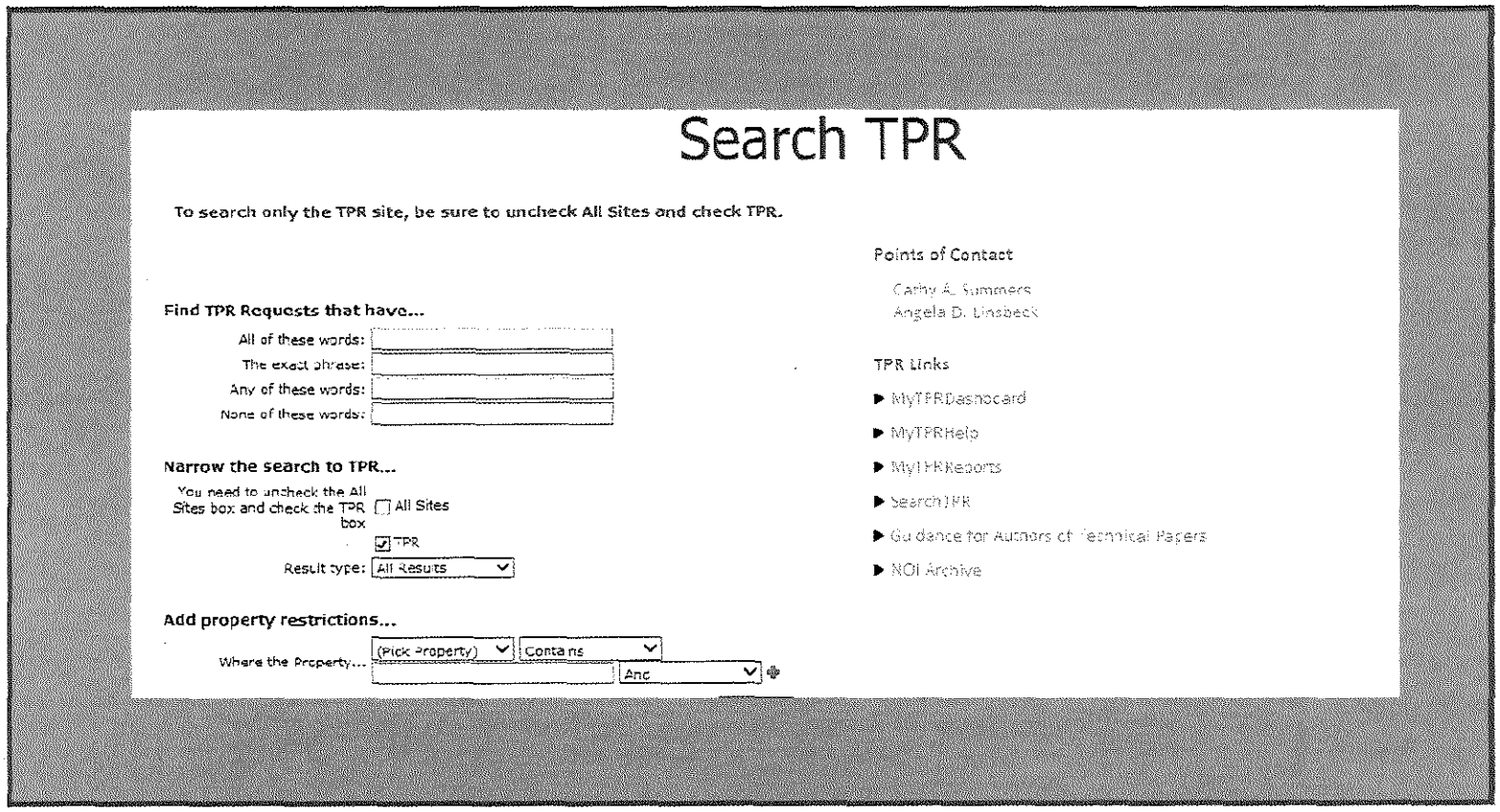
TPR Links

- ▶ MyTPRDashboard
- ▶ MyTPRHelp
- ▶ MyTPRReports
- ▶ SearchTPR
- ▶ Guidance for Authors of Technical Papers
- ▶ NOI Archive

TPR Reports FY2015



TPR Search


Search TPR
To search only the TPR site, be sure to uncheck All Sites and check TPR.
Find TPR Requests that have...
All of these words:
The exact phrase:
Any of these words:
None of these words:
Narrow the search to TPR...
You need to uncheck the All Sites box and check the TPR box
All Sites
TPR
Result type:
All Results
Add property restrictions...
Where the Property...
(Pick Property)
Contains
And
Points of Contact
Cathy A. Summers
Angela D. Linsbeck
TPR Links
MyTPRDashboard
MyTPRHelp
MyTPRReports
SearchTPR
Guidance for Authors of Technical Papers
NOI Archive

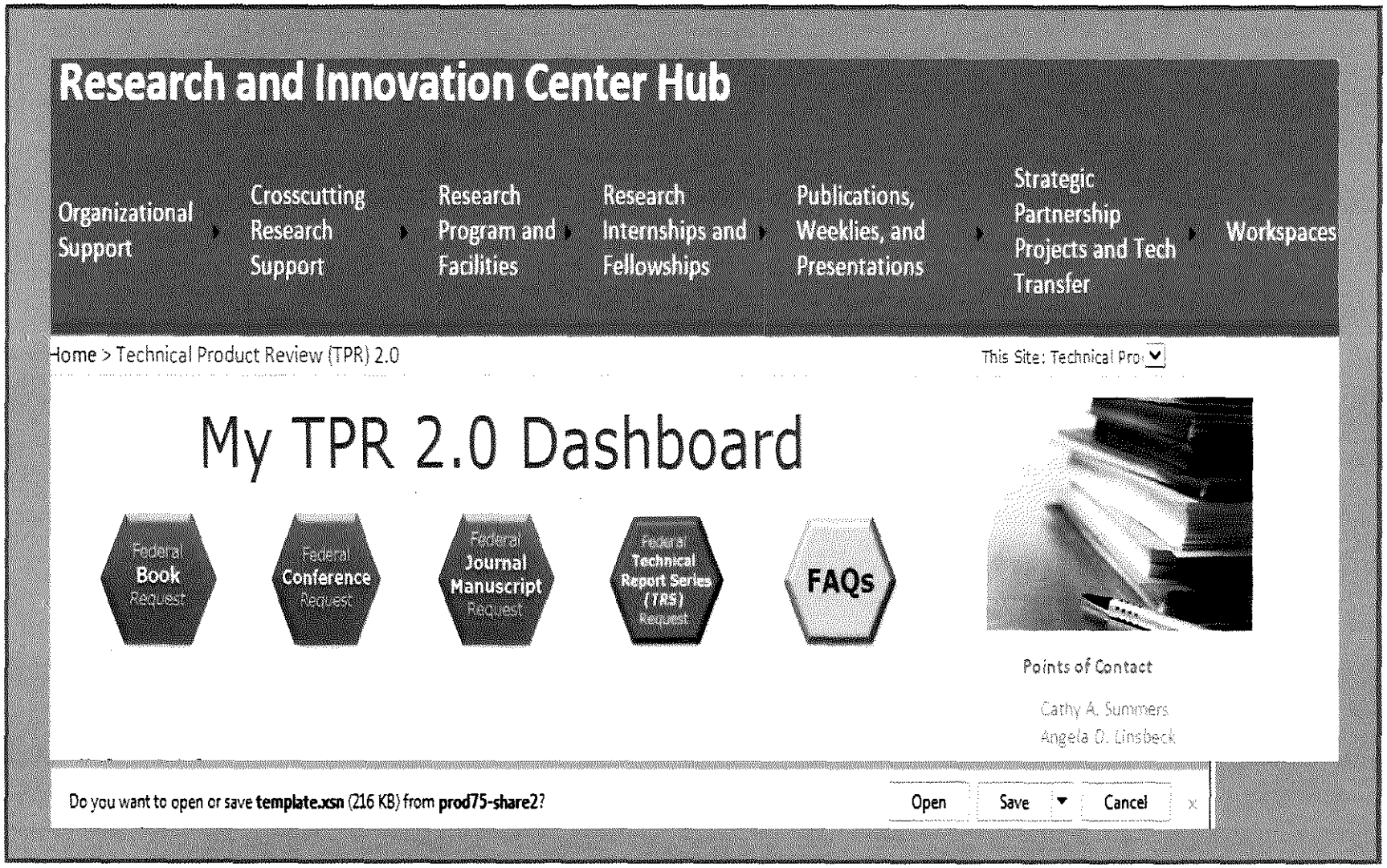
Questions

NETL-15

Technical Product Review (TPR) Training

February, 2016

TPR Dashboard



TPR Form (Submitter)

Request to Present or Publish

General Information (To be completed by Submitter)

Submitter	ORCID#	Publication No	Date
Linsbeck, Angela D. (CONTR)		NETL-PUB-20243	1/13/2016

What document or product do you plan to prepare? Conference Presentation and/or Conference Proceeding

Title of Article or Presentation
Test

Shortened Title ***(Notification subject line - please limit to 75 characters)***
Test

Fiscal Year 2016

Site Morgantown

Program Office
FE - USDOE Office of Fossil Energy (FE)

(For the Team field, oOnly choose a **Directorate** if you are a *Supervisor* submitting the request or the **Research & Innovation Center** if you are an *Associate Director* submitting the request.)

Team	Supervisor	Team Org Code
Test Team (DO NOT USE)	Linsbeck, Angela D. (CONTR)	

Directorate	Associate Director
Test Directorate (DO NOT USE)	Linsbeck, Angela D. (CONTR)

Click here to add another Directorate
Click here to add another Directorate

Document Owner
(The system will send notifications to this person.)

(If the name is correct, but red, click on the checkmark.)
Linsbeck, Angela D. (CONTR)

Note: You may enter the authors in any order. Each author will be sent an informational e-mail that this process has been started. Please be sure to enter ALL authors.

TPR Form (Submitter)

Note: You may enter the authors in any order. Each author will be sent an informational e-mail that this process has been started.

NETL Internal Author	Internal Author Supervisor	Internal Author Affiliation (i.e., ORD, AECOM, ORISE)
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	AECOM

Insert item

External Author	External Author E-mail	External Author Affiliation
Angela D. Linsbeck	[redacted]	AECOM

Insert item

* **OSTI Subject Area(s)** *(More than one can be selected)* *Click here for Subject Area Descriptions*

- [ ] 01 - COAL, LIGNITE, AND PEAT
- [ ] 02 - PETROLEUM
- [x] 03 - NATURAL GAS
- [ ] 04 - OIL SHALES AND TAR SANDS
- [ ] 07 - ISOTOPE AND RADIATION SOURCES

Keywords

natural gas, petroleum, coal

TPR Form (Submitter)

Work can be associated with either DOE Funded work or externally funded work.

Is the document associated with a DOE FWP? ◉ Yes ○ No

Field Work Proposal (FWP) | **Technical Portfolio Lead or Technical Task Coordinator**

Test FWP | Linsbeck, Angela D. (CONTR)

Click here to add another FWP
Click here to add another FWP

Is the document associated with other DOE Funded Work? ◉ Yes ○ No

Other DOE Funded Work – Please specify all of the following that are available (initiative name, agreement type, contract number)

R&IC Lead

Is the document associated with externally funded work? ◉ Yes ○ No

Please specify all of the following that are available. *(Agreement type, contract number, and sponsor.)*

TPR Form (Submitter)

- Conference Abstract

Conference Abstract Information (To be completed by Submitter)

Conference Name	Test Conference	
Conference Location (City, State)	Morgantown, WV	
Date(s)	4/7/2015	to 4/9/2015
Abstract Due Date	4/3/2015	
Abstract Draft	ORD Organizational Cha Adobe Acrobat Docume 291 KB	

Submitter - Are there restrictions on the release of information? ◉ Yes ○ No

Click here for Examples of Restrictions

Caution: Documents in TPR are visible to all who have access to the ORD SharePoint site. Author should determine if this level of access is acceptable for the information being submitted. In addition, some information should not be submitted to OSTI. *Not sure? Click here*

Please note the restrictions.

Statements regarding special handling of restricted information (more than one can be checked)

- ☐ Contractual requirements have been met (e.g., for CRADA/MOU; contact submitter for details)
- ☐ On hold until IP is protected
- ☐ Cover page only uploaded to TPR (contact submitter for full document)
- ☐ Do not release final document to OSTI

Employee Submit

TPR Form (Submitter)

Examples of Restrictions

Below are several examples of information that may be restricted and guidance to authors on handling such cases. Author should discuss other cases or any concerns with his/her supervisor.

1. Information developed entirely under non-NETL funding subject to contractual requirements; e.g., CRADAs and MOUs may limit what, when, and by whom information can be released. Author should:
   a. Comply with the terms of contract documents
   b. Upload only a cover page if document contains sensitive information
   c. NOT release final accepted manuscript to OSTI
2. Unprotected intellectual property (IP); e.g., potentially patentable information. Author should:
   a. Contact PASOD for information on how best to protect information
   b. Revise the paper/presentation, OR upload only the cover page of the document to TPR
   c. NOT release final accepted manuscript to OSTI until such time as disclosure is approved by PASOD experts
3. Preliminary data; e.g., data presented at a conference that will be published later. Author should:
   a. Use discretion in determining whether to upload presentation to TPR
   b. NOT release final conference presentation to OSTI

Return to Form

TPR Form (Submitter)

Should the Document be Submitted to OSTI?

Under the DOE Public Access Plan, all final peer-reviewed and accepted manuscripts describing unrestricted research findings and produced completely or partially with DOE funding are to be submitted to OSTI.*

Do not select this field if your document contains restricted information. See ***examples of restricted*** information on the form.

Do not select this field if your document was produced with non-DOE funding.

If you select the "Submit to OSTI" field, upload your Accepted Manuscript. The Accepted Manuscript is the version of the article that has been accepted for publication by a publisher and includes changes made by the author during the peer-review process.

* Special case: If you have edited a book using DOE funding, always select "Submit to OSTI," but upload only the portions you have written, i.e., you may have an Introduction to upload or you may upload nothing.

Return to Form

TPR Dashboard

My TPR 2.0 Dashboard

Federal **Book** Request

Federal **Conference** Request

Federal **Journal Manuscript** Request

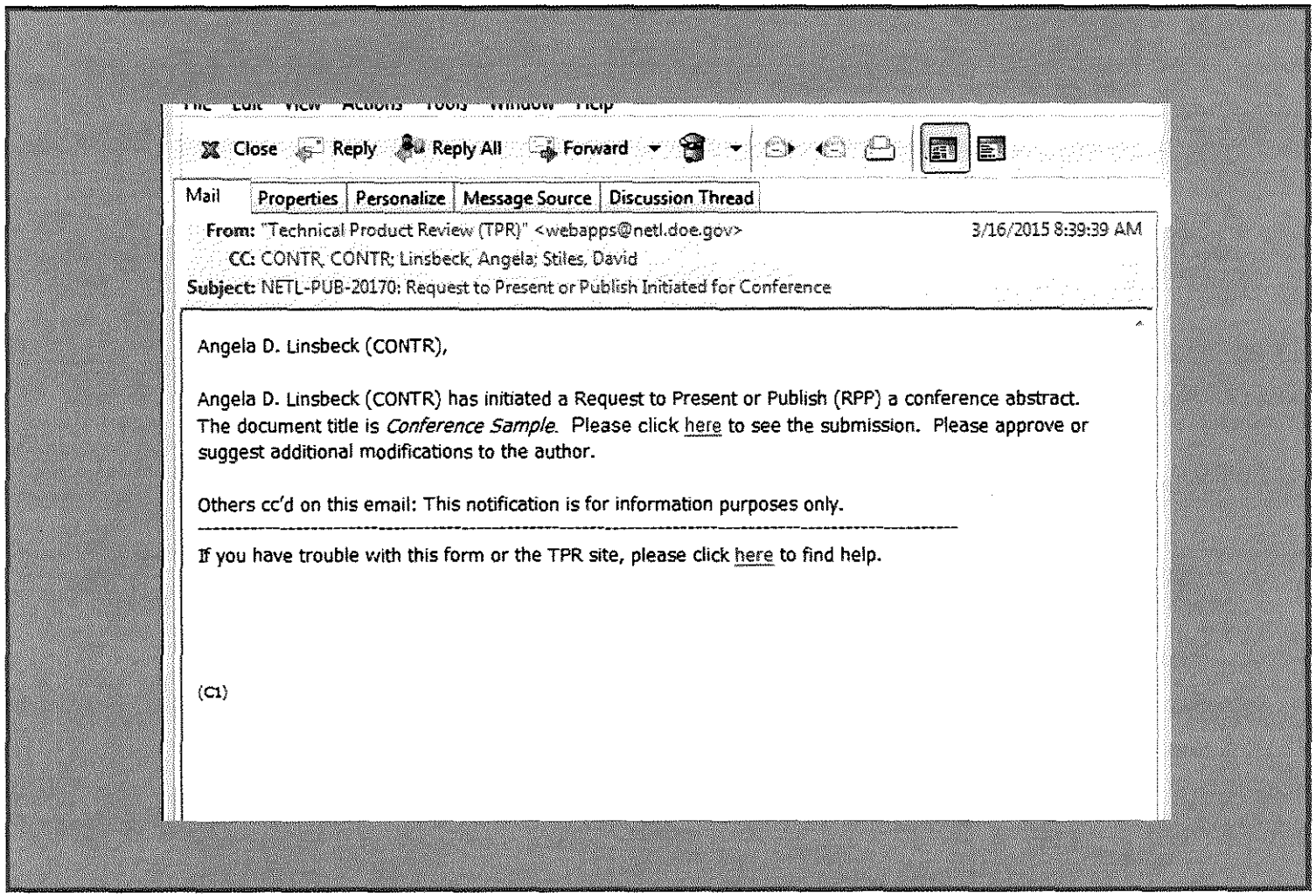
Federal **Technical Report Series (TRS)** Request

FAQs

My Requests in Progress

Name	Title of Document	Modified	Status
Second Sample Conference-NETL-PUB-20181 NEW	Second Sample Conference	3/31/2015 11:01 AM	Initiated
Conference Test 3302015-NETL-PUB-20180 NEW	Conference Test 3302015	3/31/2015 8:25 AM	Waiting for Supervisor Approval
Book Chapter Sample-NETL-PUB-20172	Book Chapter Sample	3/18/2015 10:55 AM	Waiting for Upload to OSTI
Sample Journal Manuscript-NETL-PUB-20171	Sample Journal Manuscript	3/17/2015 9:05 AM	Waiting for Upload to OSTI
Conference Sample-NETL-PUB-20170	Conference Sample	3/18/2015 9:16 AM	Waiting for Upload to OSTI

TPR E-mail Initial Request



Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 8:39:39 AM

CC: CONTR, CONTR; Linsbeck, Angela; Stiles, David

Subject: NETL-PUB-20170: Request to Present or Publish Initiated for Conference

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has initiated a Request to Present or Publish (RPP) a conference abstract. The document title is *Conference Sample*. Please click here to see the submission. Please approve or suggest additional modifications to the author.

Others cc'd on this email: This notification is for information purposes only.

If you have trouble with this form or the TPR site, please click here to find help.

(C1)

TPR External Author E-mail

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "NETL-Technical Product Review" <webapps@netl.doe.gov> 3/16/2015 8:31:46 AM
To: alinsbeck@gmail.com
CC: Linsbeck, Angela
Subject: NETL-PUB-20170: Request to Present or Publish Presented

Angela D. Linsbeck has submitted a Request to Present or Publish to his or her supervisor for approval to submit Conference Sample.

Angela D. Linsbeck will inform you of the status of the request.

Please DO NOT respond to this email.

Message Invalid Signature.pdf

TPR Form (Supervisor)

Requests Awaiting My Review and/or Approval

Name	Document Owner	Title of Document	Modified	Status
Form for Dashboard Examples (NETL-PUB-20187) NEW	Angela D. Linsbeck (CONTR)	Form for Dashboard Examples	4/8/2015 3:14 PM	Waiting for Supervisor Review

Supervisor – The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.

Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? ◉ **Yes** ○ **No**

Supervisor Determination (Abstract)

Approved **Confirmed by** **Angela D. Linsbeck (CONTR)**

- Please Select One
- Approved
- Return to Document Owner
- Cancel

Supervisor Comments to Submitter

Supervisor can attach a document containing additional modifications Click here to attach a file

Supervisor Submit

Supervisor Requests Changes

Submitter (Attach draft with Supervisor's additional modifications)

Modified Abstract

calendar-time-zone.pdf
Adobe Acrobat Document
116 KB

Employee Submit

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail Properties Personalize Message Source Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 8:56:41 AM
To: Linsbeck, Angela
Subject: NETL-PUB-20170: Conference Abstract returned for Modifications

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) is requesting modifications to your conference abstract submitted on the Request to Present or Publish (RPP). The document title is *Conference Sample*.

The following comments were included on the form (if blank, your supervisor did not add comments):

Please change title

After the modifications are made, click here to attach the revised abstract and resubmit the form.

If you have trouble with this form or the TPR site, please click here to find help.

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail Properties Personalize Message Source Discussion Thread

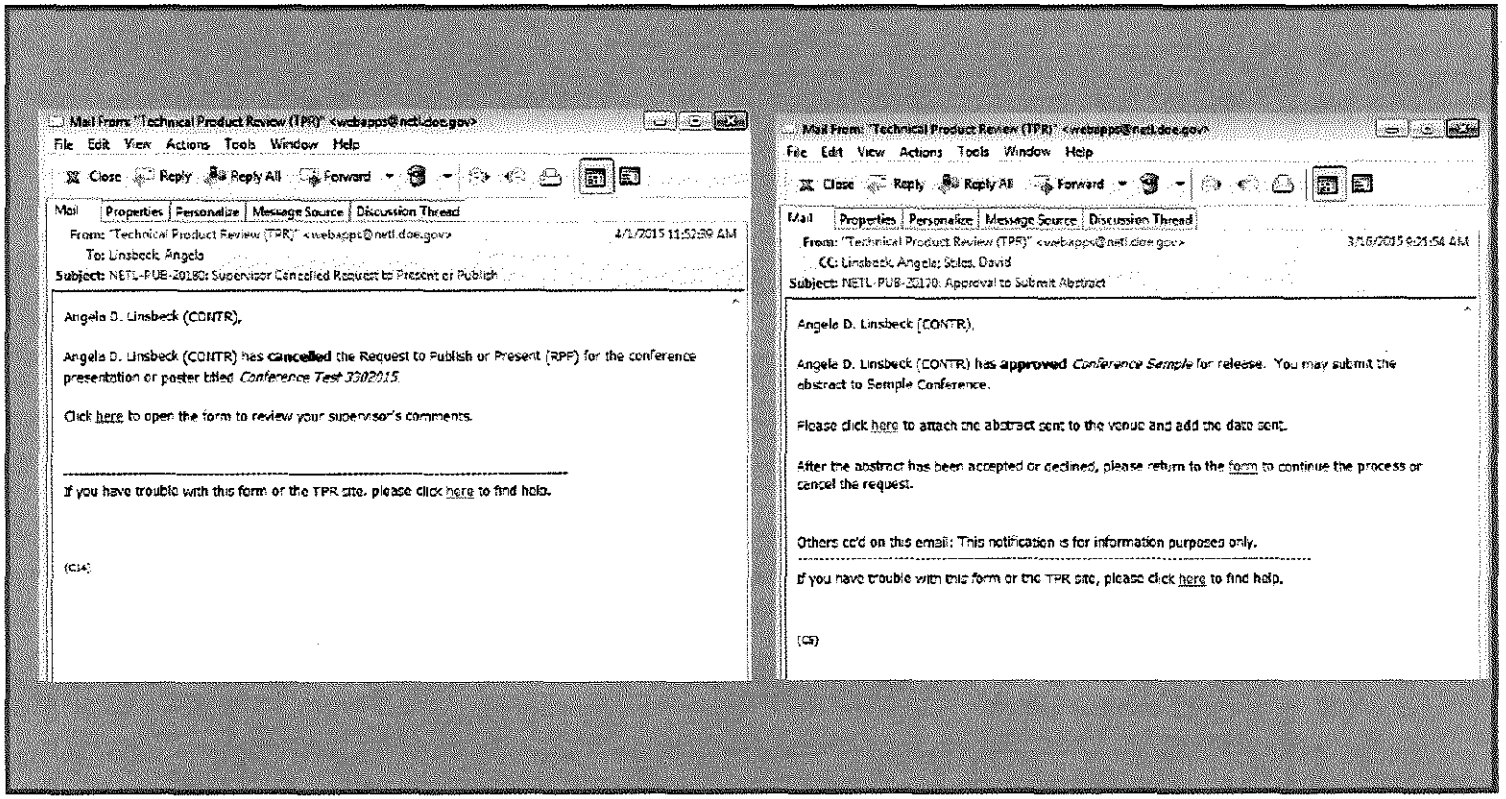
From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 9:07:06 AM
CC: Linsbeck, Angela
Subject: NETL-PUB-20170: Revised Request to Present or Publish

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has addressed your comments and revised the conference abstract submitted on the Request to Present or Publish (RPP). The document title is *Conference Sample*. Please click here to see the revised submission, and approve or cancel the request.

If you have trouble with this form or the TPR site, please click here to find help.

TPR E-mail Supervisor Determination



Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 4/1/2015 11:52:09 AM

To: Linsbeck, Angela

Subject: NETL-PUB-20180: Supervisor Cancelled Request to Present or Publish

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has **cancelled** the Request to Publish or Present (RPP) for the conference presentation or poster titled *Conference Test 3302015*.

Click here to open the form to review your supervisor's comments.

If you have trouble with this form or the TPR site, please click here to find help.

(CS)

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 9:21:54 AM

CC: Linsbeck, Angela; Stiles, David

Subject: NETL-PUB-20170: Approval to Submit Abstract

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has **approved** *Conference Sample* for release. You may submit the abstract to Sample Conference.

Please click here to attach the abstract sent to the venue and add the date sent.

After the abstract has been accepted or declined, please return to the form to continue the process or cancel the request.

Others cc'd on this email: This notification is for information purposes only.

If you have trouble with this form or the TPR site, please click here to find help.

(CS)

TPR Form (Submitter)

Submitter (Attach draft sent to the venue)

Draft Abstract to Venue	ORD Re-org chart.pdf Adobe Acrobat Document 102 KB	**Date Sent to Venue** 3/16/2015

Employee Submit

My TPR Requests

Second Sample Conference-NETL-PUB-20130	Second Sample Conference	3/31/2015 2:20 PM	Waiting for Acceptance by Venue
Test Conference Sample-NETL-PUB-20120	Test Conference Sample	4/1/2015 11:45 AM	Abstract Approved
Conference Test 3302015-NETL-PUB-20123	Conference Test 3302015	4/1/2015 11:45 AM	Waiting for Supervisor

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail Properties Personalize Message Source Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 9:51:42 AM

To: Linsbeck, Angela

Subject: NETL-PUB-20130: Reminder to Update Conference Acceptance on RPP

Angela D. Linsbeck (CONTR),

You submitted *Conference Sample* to Sample Conference on 3/16/2015.

Please click here to return to the request to indicate if the abstract was accepted or not.

If you have trouble with the form or the TPR site, click here to find help.

TPR Form (Submitter)

Submitter - Was the abstract accepted by the venue? ◉ Yes ○ No

- Conference Presentation or Poster

Conference Presentation or Poster Information (To be completed by Submitter)

Conference Name	Sample Conference
Conference Location (City, State)	Morgantown, WV
Date(s)	3/23/2015 to 3/25/2015

Presenters' Names

Angela D. Linsbeck (CONTR)

Insert item

☑ Oral Presentation Only ☐ Poster Only ☐ Oral Presentation and Poster

Presentation or Poster Draft ORD Organizational Chart.pdf
Adobe Acrobat Document
291 KB

To add a data set to EDX, click here: https://edx.netl.doe.gov/
(This is an external link. The information is not automatically sent to EDX.)

Submitter - Are there restrictions on the release of information? ○ Yes ◉ No

Click here for Examples of Restrictions

Caution: Documents in TPR are visible to all who have access to the ORD SharePoint site. Author should determine if this level of access is acceptable for the information being submitted. In addition, some information should not be submitted to OSTI. *Not sure? Click here*

TPR Form (Submitter)

Submitter - Would you like to suggest reviewers? Yes No

Review Due Date 3/20/2015 (Date by which review needs to be completed.)

Suggested Internal Reviewer's Name	Suggested Reviewer's Supervisor	Type of Review
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	Editorial
Kelly K. Rose	Mark L. Mckoy	Technical
Robert M. Dilmore	Jamie L. Brown	Technical

Submitter Suggested External Reviewers
(External reviews are conducted outside of the TPR system)

External Reviewer's Name	External Reviewer's Contact Information	Affiliation
Angela D. Linsbeck	Morgantown, WV	AECOM

Click here to add an External Reviewer

Employee Submit

TPR E-mail Request to Review / Approve Presentation

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 10:11:52 AM

CC: Linsbeck, Angela; Stiles, David

Subject: NETL-PUB-20170: Request to Present or Publish (RPP) for Conference Presentation

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has continued the Request to Publish or Present (RPP) for the conference presentation or poster titled *Conference Sample*. Please click here to see the submission and submit the document for review.

Please select reviewers and submit it for review. If it does not need additional review, please approve or suggest additional modifications to the author.

Others cc'd on this email: This notification is for information purposes only.

If you have trouble with this form or the TPR site, please click here to find help.

(C6)

TPR Form (Supervisor)

Supervisor – The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.
Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? ◉ Yes ○ No

Supervisor Reviewers - *Are reviewers needed?* ◉ Yes ○ No

Below is the list of reviewer(s) suggested by the Document Owner.

- If the reviewer(s) is acceptable, click **Supervisor Submit** below.
- If a different reviewer is preferred, delete the reviewer and supervisor's name and enter the desired reviewer, his or her supervisor and the type of review needed. Click **Supervisor Submit**.

Internal Reviewer	Reviewer's Supervisor	Type of Review ?
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	Policy
Kelly K. Rose	Mark L. Mckoy	Technical
Robert M. Dilmore	Jamie L. Brown	Technical

Review Due Date 3/20/2015 (Date by which review needs to be completed.)

Supervisor - Is an external review needed? ◉ Yes ○ No
(If yes, this review must be completed outside the TPR system.)

External Reviewer's Name	External Reviewer's Contact Information	Affiliation
Angela D. Linsbeck	Morgantown, WV	AECOM

Click here to add an External Reviewer

Supervisor Submit

TPR Form (Reviewer)

+ - Conference Reviewer Information

Internal Reviewer Name Angela D. Linsbeck (CONTR)	◉ Accept or ◯ Decline **Reviewer Submit** ***Reminder***: Please save the document for review before submitting the form.
Internal Reviewer Name Kelly K. Rose	◯ Accept or ◯ Decline **Reviewer Submit**

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 12:31:46 PM
CC: Linsbeck, Angela
Subject: NETL-PUB-20170: Reviewer Accepted Request

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has **accepted** your request to review *Conference Sample* submitted by Angela D. Linsbeck (CONTR).

Others cc'd on this email: This notification is for information purposes only.

If you have trouble with this form or the TPR site, please click here to find help.

(C9A1)

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 4/1/2015 12:17:20 PM
CC: Linsbeck, Angela
Subject: NETL-PUB-20181: Reviewer Declined Request

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has **declined** your request to review *Test Conference Sample* submitted by Angela D. Linsbeck (CONTR).

If you would like to add an alternate reviewer, click here to open the request.

Others cc'd on this email: This notification is for information purposes only.

If you have trouble with this form or the TPR site, please click here to find help.

(C9A2)

TPR Reviewer Reminder/Complete

Internal Reviewer Name Angela D. Linsbeck (CONTR)

Reviewer Submit

Comments
see attached comments.

calendar-time-zone.pdf
Adobe Acrobat Document
116 KB

Journal Manuscript or Conference Proceeding Requests Awaiting My Review

Name	Title of Document	Modified	Status
Form for Dashboard Examples-NETL-PUB-20187 NEW	Form for Dashboard Examples	4/8/2015 5:30 PM	Waiting for Internal Review

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 12:31:46

To: Linsbeck, Angela

Subject: NETL-PUB-20170: Reminder to Complete Review

Angela D. Linsbeck (CONTR),

You accepted the request to review *Conference Sample* submitted by Angela D. Linsbeck (CONTR). Please click here to return to the form to complete your review by adding comments and/or attaching the document using track changes.

The review is due by 3/20/2015.

If you have trouble with the form or the TPR site, please click here to find help.

(C141)

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 1:21:42

To: Linsbeck, Angela

Subject: NETL-PUB-20170: Internal reviews complete

Angela D. Linsbeck (CONTR),

The internal reviewers have completed the review of *Conference Sample*. Please click here to view the reviewer's comments and changes.

Responses to the reviewer must be sent by email (outside of TPR). After responding, if necessary, and revising the document, please click here to open the Request to Present or Publish and attach the revised document to be sent to your supervisor for review.

If you have trouble with this form or the TPR site, please click here to find help.

(C10)

TPR Form (Submitter)

Submitter (Attach draft with Reviewers' comments)

Draft after Review

calendar-time-zone.pdf
Adobe Acrobat Document
116 KB

Employee Submit

Testing Conference Presentation Awaiting Review Webpart 04022015-NETL-PUB-20185	Testing Conference Presentation Awaiting Review Webpart 04022015	4/3/2015 3:45 PM	Waiting for Internal Review
Testing Journal Manuscript Awaiting Review Webpart 04022015-NETL-PUB-20184	Testing Journal Manuscript Awaiting Review Webpart 04022015	4/3/2015 3:45 PM	Waiting for Internal Review

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 1:31:39 PM
CC: Linsbeck, Angela
Subject: NETL-PUB-20170: Request to Approve Conference Presentation or Poster

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has addressed the reviewer comments and revised the Conference Presentation titled *Conference Sample*. Please click here to see the revised submission and approve it or suggestion additional modifications to the author.

If you have trouble with the form or TPR site, please click here to find help.

(C1:)

TPR E-mail TD&IC

Mail From: "NETL-Technical Product Review" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "NETL-Technical Product Review" <webapps@netl.doe.gov> 3/16/2015 3:56:50 PM

To: Bellioti, Derek; Stiles, David

CC: Linsbeck, Angela

Subject: NETL-PUB-20170: Notification – ORD Research Results to be Released

Angela D. Linsbeck is sending you notification that a document titled Conference Sample will be submitted to Sample Conference seven (7) days from the date of this e-mail.

A copy of the document is attached.

Please DO NOT respond to this email. Contact Angela D. Linsbeck with questions or comments

Message

Invalid Signature.pdf

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/17/2015 12:02:51 AM

To: Linsbeck, Angela

Subject: NETL-PUB-20147: Notification - Document Can Be Released

Angela D. Linsbeck (CONTR),

It has been seven days since the sponsor was notified that *Journal SCC SCSIO No Review No Mod* would be released. You may now release this document to Test publication.

Click here to attach the draft document sent to the publication and add the estimated response date to the request form.

If you have trouble with the form or the TPR site, please click here to find help.

(J* SD)

TPR Form (Submitter)

Submitter (Attach draft sent to the conference)

Note: If there is an FWP selected above, SCC/SCNGO was sent an informational copy upon final approval by your supervisor.

Draft Document to Conference

Invalid Signature.pdf
Adobe Acrobat Document
21.9 KB

Estimated Response Date
3/27/2015

Employee Submit

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/16/2015 4:31:36 PM
To: Linsbeck, Angela
Subject: NETL-PUB-20170: Reminder to Complete Conference Presentation Process

Angela D. Linsbeck (CONTR),

Conference Sample, submitted to Sample Conference, was presented on 3/23/2015. Please click here to return to the form to indicate if the presentation should be submitted to OSTI or not, and upload the final version presented to the conference.

If you have trouble with the form or the TPR site, please click here to find help.

Ready for Upload to OSTI

OSTI Information

Submitter - Do you want to submit this document to OSTI? ◉ Yes ○ No

Not sure? Click here

Citation Information:

Test citation

Pease attach the FINAL accepted Presentation or Poster.

Invalid Signature.pdf
Adobe Acrobat Document
21.9 KB

Are you expanding this document for conference proceedings? ○ Yes ◉ No

Employee Submit

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "NETL-Technical Product Review" <webapps@netl.doe.gov> 3/16/20

To: Stiles, David

CC: Linsbeck, Angela

Subject: NETL-PUB-20170: Document Ready for Upload to OSTI

The attached document is ready to be uploaded to OSTI.

Publication Number: NETL-PUB-20170
Document Owner: Angela D. Linsbeck
Document Type: Conference Presentation and/or Conference Proceeding
Title of Document: Conference Sample
Keywords: petroleum, natural gas
OSTI Subject Areas: 03 - NATURAL GAS 02 - PETROLEUM
Division: Test Division
Name of Conference: Sample Conference
Author(s): Angela D. Linsbeck (CONTR); David B. Stiles (CONTR);
Citation: Test citation

Once the document is uploaded to OSTI, please return to the TPR Dashboard (http://prod75-share2/sites/OFD2/TPR/default.aspx) to record the OSTI number and date uploaded.

Message | Invalid Signature.pdf

TPR Form (Submitter)

Are you expanding this document for conference proceedings? ◉ Yes ○ No

Continue

- Journal Manuscript or Conference Proceeding

Publication Information (To be completed by Submitter)

Name of Publication	Test publication
Publication Due Date	4/24/2015
Publication Draft	calendar-time-zone.pdf Adobe Acrobat Document 116 KB

To add a data set to EDX, click here: https://edx.netl.doe.gov/
(This is an external link. The information is not automatically sent to EDX.)

Submitter - Are there restrictions on the release of information? ○ Yes ◉ No

Click here for Examples of Restrictions

Caution: Documents in TPR are visible to all who have access to the ORD SharePoint site. Author should determine if this level of access is acceptable for the information being submitted. In addition, some information should not be submitted to OSTI. *Not sure? Click here*

Submitter - Would you like to suggest reviewers? ○ Yes ◉ No

Employee Submit

TPR Form (Supervisor)

Supervisor - The submitter has assessed the product being reviewed with respect to restrictions on release of information and may have provided special handling instructions.

Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? ◉ **Yes** ○ **No**

Supervisor Reviewers - Are reviewers needed? ◉ Yes ○ No

Below is the list of reviewer(s) suggested by the Document Owner.

- If the reviewer(s) is acceptable, click **Supervisor Submit** below.
- If a different reviewer is preferred, delete the reviewer and supervisor's name and enter the desired reviewer, his or her supervisor and the type of review needed. Click **Supervisor Submit** below.

Internal Reviewer's Name	Reviewer's Supervisor	Type of Review ?
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	Policy

Review Due Date 4/17/2015 (Date by which review(s) need to be completed.)

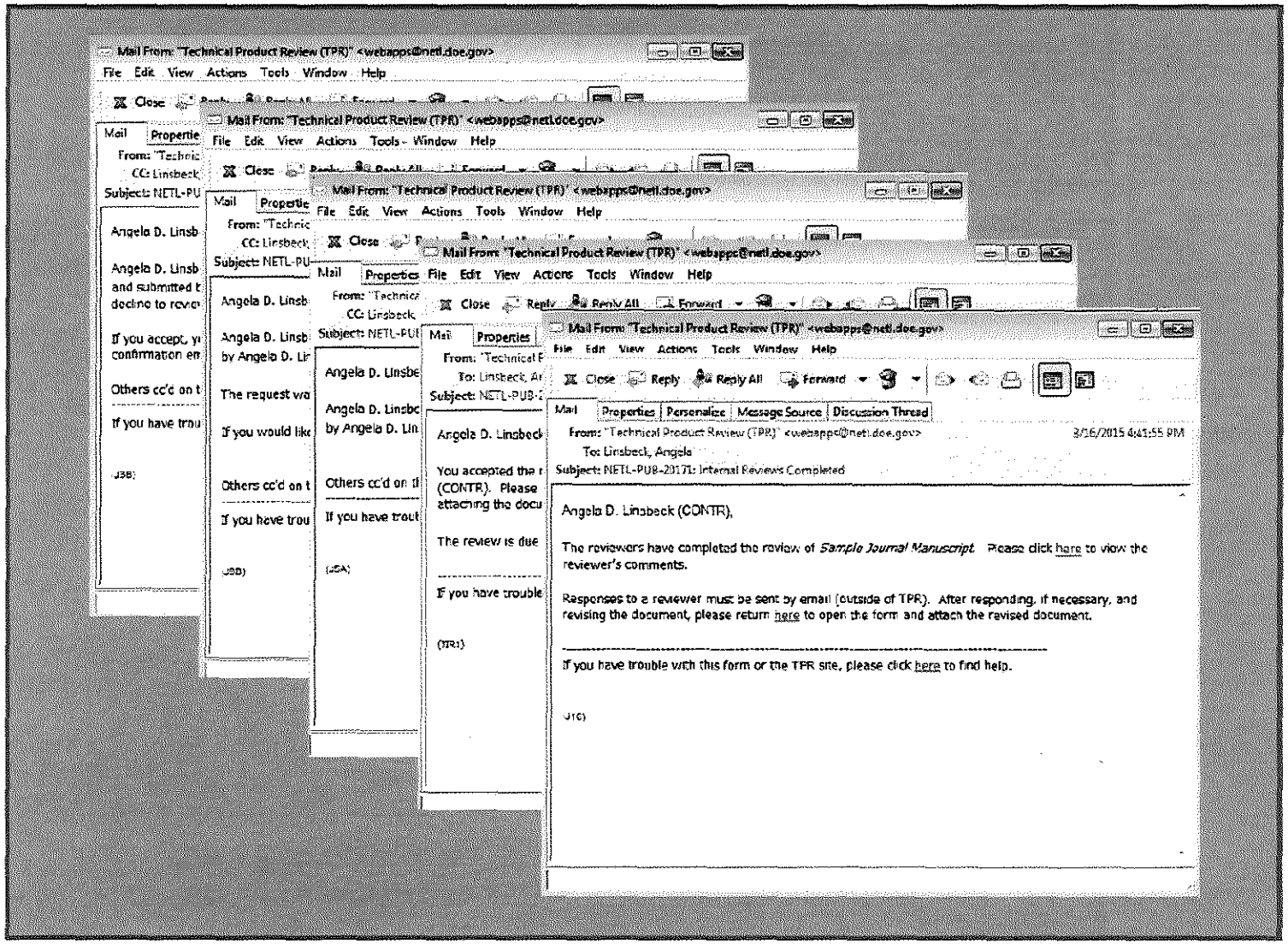
Is an external review needed?
(If yes, this review must be completed outside of the TPR system.) ○ Yes ◉ No

External Reviewer's Name	External Reviewer's Contact Information	Affiliation

Click here to add an External Reviewer

Supervisor Submit

TPR E-mails Reviewers



TPR Form

Do you agree with the submitter's assessment and recommendations regarding any restrictions on the release of information listed above? Yes No

Supervisor Reviewers - Are reviewers needed? Yes No

Below is the list of reviewer(s) suggested by the Document Owner.

- If the reviewer(s) is acceptable, click **Supervisor Submit** below.
- If a different reviewer is preferred, delete the reviewer and supervisor's name and enter the desired reviewer, his or her supervisor and the type of review needed. Click **Supervisor Submit** below.

Internal Reviewer's Name	Reviewer's Supervisor	Type of Review ?
Angela D. Linsbeck (CONTR)	ADMIN\linsbeca	

Review Due Date 4/17/2015 (Date by which review(s) need to be completed.)

Is an external review needed?
(If yes, this review must be completed outside of the TPR system.) Yes No

External Reviewer's Name	External Reviewer's Contact Information	Affiliation

Click here to add an External Reviewer

Supervisor Submit

Journal Reviewer Information

Internal Reviewer Name	
Angela D. Linsbeck (CONTR)	Accept or Decline **Reviewer Submit**

TPR Form

Journal Reviewer Information

Internal Reviewer Name
Angela D. Linsbeck (CONTR)

◉ Accept or ◯ Decline

Reviewer Submit

Reminder: Please save the document for review before submitting the form.

Internal Reviewer Name **Angela D. Linsbeck (CONTR)** **Reviewer Submit**

Comments
see attached

ORD Re-org chart.pdf
Adobe Acrobat Document
102 KB

Submitter (Attach draft with Reviewers' comments)

Draft after Review Click here to attach a file

Employee Submit

TPR E-mail Approved (No FWP)

Mail From: "Technical Product Review (TPR)" <webapps@netl.doe.gov>

File Edit View Actions Tools Window Help

Close Reply Reply All Forward

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/17/2015 8:21:57 AM

To: Linsbeck, Angela

Subject: NETL-PUB-20171: Request to Present or Publish Approved

Angela D. Linsbeck (CONTR),

Angela D. Linsbeck (CONTR) has **approved** the Request to Present or Publish for the document titled *Sample Journal Manuscript*. You may now release this document to Sample Journal.

Click here to attach the draft document sent to the publication and the estimated response date to the request form.

Others cc'd on this email: This notification is for information purposes only.

If you have trouble with the form or the TPR site, please click here to find help.

(J15A)

TPR Form (Submitter)

Submitter (Attach draft sent to the publication)

Note: If there is an FWP selected above, SCC/SCNGO was sent an informational copy upon final approval by your supervisor.

Draft Document to Publication | Click here to attach a file | **Estimated Response Date** 4/24/2015

Employee Submit

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "Technical Product Review (TPR)" <webapps@netl.doe.gov> 3/17/2015 8:42:05 AM
To: Linsbeck, Angela
Subject: NETL-PUB-20171: Reminder to Complete TPR Process

Angela D. Linsbeck (CONTR),

Sample Journal Manuscript, submitted to Sample Journal, has been under peer review. Have you received a letter from the publisher indicating whether it was accepted and do you have a citation?

If yes, click here to return to the form and complete the process.

If no, delete this email. Another reminder will be sent later.

If you have trouble with the form or the TPR site, please click here to find help.

JP1

Ready for Upload to OSTI

Submitter - Was the publication accepted? ◉ Yes ○ No

OSTI Information

Do you want to submit this document to OSTI? ◉ Yes ○ No *Not sure? Click here*

Citation Information:
Test citation

Please attach the FINAL accepted Publication. ORD Organizational Chart.j Adobe Acrobat Document 291 KB

Employee Submit

Mail | Properties | Personalize | Message Source | Discussion Thread

From: "NETL-Technical Product Review" <webapps@netl.doe.gov> 3/17/2015 8:56:38 AM
To: Stiles, David
CC: Linsbeck, Angela
Subject: NETL-PUB-20171: Document Ready for Upload to OSTI

The attached document is ready to be uploaded to OSTI.

Publication Number: NETL-PUB-20171
Document Owner: Angela D. Linsbeck
Document Type: Journal Manuscript
Title of Document: Sample Journal Manuscript
Keywords: natural gas, isotope and radiation
OSTI Subject Areas: 03 - NATURAL GAS07 - ISOTOPE AND RADIATION SOURCES
Division: Test Division
Name of Publication: Sample Journal
Author(s): Angela D. Linsbeck (CONTR);
Citation: Citation for Sample Journal Manuscript

Once the document is uploaded to OSTI, please return to the TPR Dashboard (http://prod75-share2/sites/ORD2/TPR/default.aspx) to record the OSTI number and date uploaded.

Message ORD Re-org chart.pptx

TPR Form

Is the document associated with externally funded work? ○ Yes ◉ No

- Book Chapter or Book Editorship

Information about Book Chapter or Book Editorship (To be completed by Submitter)

Summary of Proposed Contribution

ORD Re-org chart.pptx
Microsoft PowerPoint Presentation
108 KB

Supporting Documentation

Copy request form.pdf
Adobe Acrobat Document
81.4 KB

Explain why your supervisor should approve this request.
Please approve this request.

Employee Submit

Supervisor Determination (Summary)

Approved **Confirmed by:** **Angela D. Linsbeck (CONTR)**

Supervisor Comments to Submitter

Supervisor Submit

TPR Form

Submitter - Do you still plan to contribute? ◉ Yes ○ No

Submitter - Is a proposal required? ◉ Yes ○ No

Draft Book or Book Chapter Proposal

ORD Organizational Chart.pdf
Adobe Acrobat Document
291 KB

Employee Submit

Submitter (Attach draft with Supervisor's additional modifications)

Modified Book or Book Chapter Proposal

Invalid Signature.pdf
Adobe Acrobat Document
21.9 KB

Employee Submit

Supervisor Determination (Proposal)

Approved

Confirmed by: **Angela D. Linsbeck (CONTR)**

Supervisor Comments to Submitter

See attached.

Supervisor can attach a document containing additional modifications

calendar-time-zone.pdf
Adobe Acrobat Docume
116 KB

TPR Form

Submitter - Is a proposal required? ○ Yes ◉ No

Submitter

If a contract is required with the publisher, it must now be approved through the NETL legal department. This approval is done outside of the TPR system, via the Organizational Tracking System (OTS). If the OTS process has not been started, please contact your administrative assistant.

Please return to the form once approval or denial is received.

- **If you decide not to pursue approval through the OTS process, click this radio button, then the Employee Submit to cancel the request.** ○ Cancel Request
- **If a Publisher contract is NOT required, click this radio button, then the Employee Submit button to continue the form.** ◉ Continue Form
- **If a Publisher contract IS required, click this radio button, then the Employee Submit button to save the request and obtain OTS Approval. Once OTS approval is obtained, return to this form.** ○ Obtain OTS Approval

Employee Submit

TPR Form

OTS Approval Documents AbstractTest3.docx Microsoft Word Document 40.8 KB Click here to attach a file

Publisher Contract AbstractTest2.docx Microsoft Word Document 40.8 KB

Submitter - If you still need to write the book chapter, click the button to save and close the form. Save

Book Publisher Name Sample Publisher

Book Introduction or Book Chapter Draft AbstractTest2.docx Microsoft Word Document 40.8 KB

Media (select as many as appropriate) ☑ E-Book ☐ Printed Book

To add a data set to EDX, click here: https://edx.netl.doe.gov/
(This is an external link. The information is not automatically sent to EDX.)

Submitter - Would you like to suggest reviewers? ◉ Yes ○ No

Review Due Date 3/25/2015 (Date by which review(s) need to be completed.)

Suggested Internal Reviewers	Suggested Reviewer's Supervisor	Type of Review ?
Angela D. Linsbeck (CONTR)	Angela D. Linsbeck (CONTR)	Technical

Click here to add a Second Reviewer

Submitter Suggested External Reviewers
(External reviews are conducted outside of the TPR system)

External Reviewer's Name	External Reviewer's Contact Information	Affiliation

TPR Help

My TPR Help

Reference Documents

Type | Name

Category : **Sample Forms** (4)

- Book Chapter Sample Form
- Conference Sample Form
- Journal Sample Form
- TRS Sample Form

Category : **Templates** (2)

- NRAP TRS Template
- NIC TRS Template

Category : **Training Presentations** (4)

- New NIC Supervisor TPR Training Presentation
- September 2015 OSTI Training for Researchers and Admin users
- Supervisor Training 09042015
- TPR User Training Presentation 042015

Category : **Workflows** (4)

- Book Chapter Flowchart
- Conference Paper Flowchart
- Conference Presentation Flowchart
- Journal Manuscript Flowchart

Frequently Asked Questions

Date Posted	Question	Answer
7/21/2015	After opening the form I get the following error: "The form cannot open because either the signature is corrupt, or the certificate used	In order to clear this error, the temporary InfoPath cache (files) on your computer needs to be cleared. Please complete the following steps (see attachment for-

Points of Contact

Cathy A. Summers
Angela D. Lindbeck

TPR Links

- MyTPRDashboard
- MyTPRHelp
- MyTPRReports
- MyTPRArchive
- SearchTPR
- Guidance for Authors of Technical Papers
- Old Publication Archive

TPR Reports

My TPR Reports

General Reports

- All Requests by Division
- All Requests Cancelled
- All Requests in Progress
- All Requests Uploaded to OSTI
- All Requests with an NOU
- My Completed TPR Requests
- My TPR Requests in Progress
- Requests for my Job

TPR Reports By Division

- Computational Science & Engineering Division
- Crosscutting Research Support Division
- [illegible] - Laboratory Engineering Branch
- [illegible] - Laboratory Safety Branch

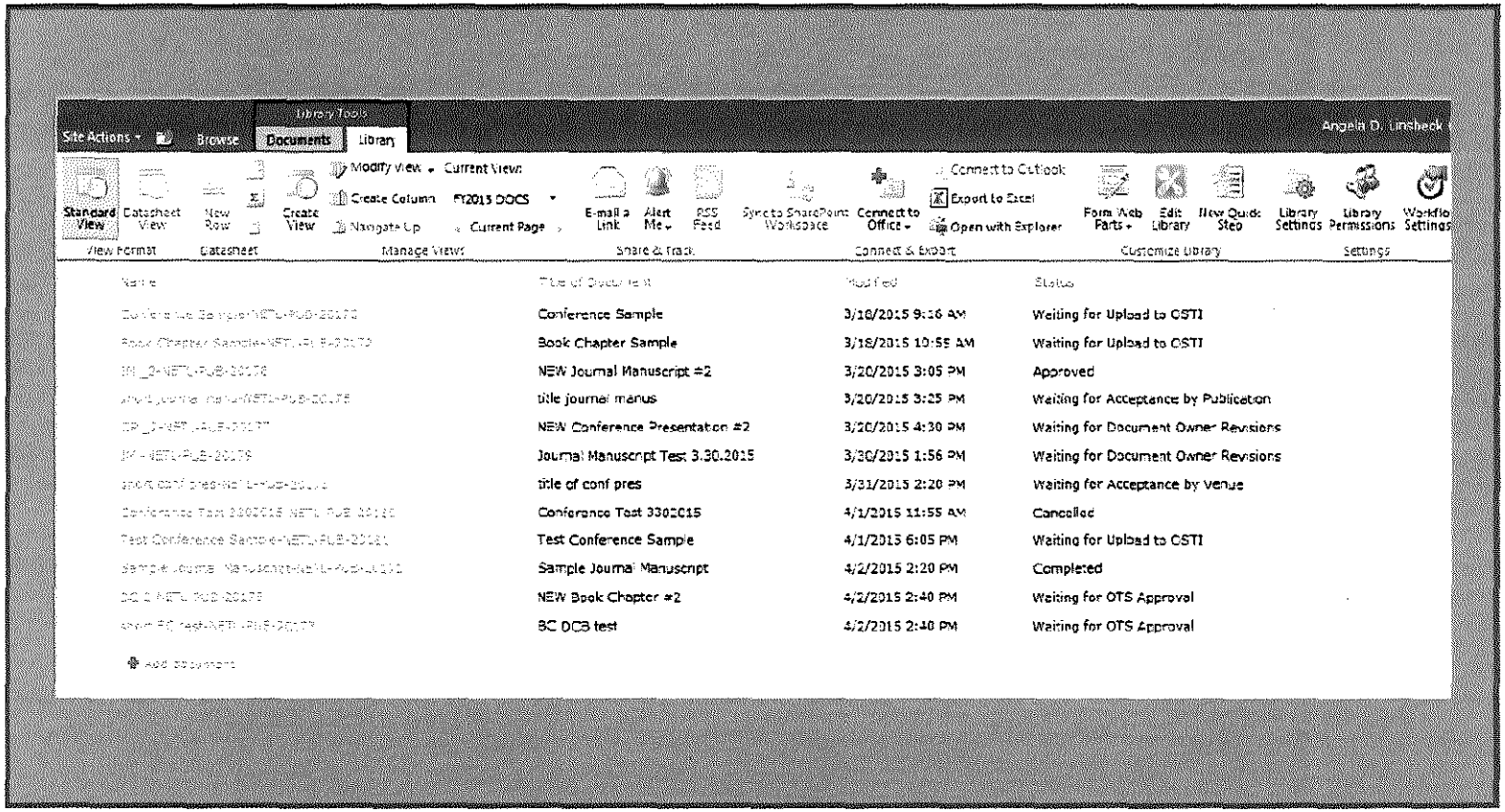
Points of Contact

Cathy A. Summers
Angela D. Linsbeck

TPR Links

- ▶ MyTPRDashboard
- ▶ MyTPRHelp
- ▶ MyTPRReports
- ▶ SearchTPR
- ▶ Guidance for Authors of Technical Papers
- ▶ NOU Archive

TPR Reports FY2015



TPR Search

Search TPR

To search only the TPR site, be sure to uncheck All Sites and check TPR.

Find TPR Requests that have...

All of these words:
The exact phrase:
Any of these words:
None of these words:

Narrow the search to TPR...

You need to uncheck the All Sites box and check the TPR box
☐ All Sites
☑ TPR
Result type: All Results

Add property restrictions...

Where the Property... (Pick Property) Contains
Anc

Points of Contact

Cathy A. Summers
Angela D. Linsbeck

TPR Links

- MyTPRDashboard
- MyTPRHelp
- MyTPRReports
- Search TPR
- Guidance for Authors of Technical Papers
- NOI Archive

Questions

Publication No	Title of Document	Date of NOI	Division	Status
NETL-PUB-999	New Methods for Finding Old Wells; Techniques for Large Areas	5/2/2014	Engineered Natural Systems Division	Approved
NETL-PUB-998	Kinetics of hematite (Fe2O3) to wüstite by hydrogen (H2) for chemical looping combustior	5/2/2014	Energy Process Innovation Division	Approved
NETL-PUB-997	CO2 concentrations and pH alters subsurface microbial ecology at reservoir temperature and pressur	4/30/2014	Engineered Natural Systems Division	Approved
NETL-PUB-996	Characterizing Density and State of Abandonment of Legacy Wells in Pennsylvania	4/25/2014	Predictive Geosciences Division	Approved
NETL-PUB-995	Oxy-combustion Environmental Characterization: Fire- and Steam-Side Corrosior	4/25/2014	Structural Materials Development Division	Approved
NETL-PUB-994	NETL's Variable Grid Method for Simultaneous Visualization and Assessment of Spatial Trends and Ur	4/23/2014	Engineered Natural Systems Division	Approved
NETL-PUB-993	Leakage detection of Marcellus Shale natural gas at an Upper Devonian gas production well: a 3-D nu	4/18/2014	Engineered Natural Systems Division	Approved
NETL-PUB-992	Imaging Techniques for Analyzing Shale Pores and Minerals	4/18/2014	Engineered Natural Systems Division	Approved
NETL-PUB-991	Characterization of Experimental Fracture Alteration and Fluid Flow in Fractured Natural Seal:	4/18/2014	Predictive Geosciences Division	Approved
NETL-PUB-990	Multi-Property Characterization Chamber for Hydrate Bearing Sediments	4/18/2014	Predictive Geosciences Division	Approved
NETL-PUB-989	Water Permeability in Hydrate Bearing Sediments: A Pore-scale Study	4/18/2014	Predictive Geosciences Division	Approved
NETL-PUB-988	Atomically Precise Au25 Nanoclusters for Efficient Electrochemical CO2 Conversior	4/15/2014	Molecular Science Division	Approved
NETL-PUB-987	Atomically Precise Au25 Nanoclusters for Efficient Electrochemical CO2 Conversior	4/15/2014	Molecular Science Division	Approved
NETL-PUB-986	Industrial Raman gas sensing for real-time system contro	4/14/2014	Thermal Science Division	Approved
NETL-PUB-985	Comparison of relative advantages of surface coal gasification vs. underground coal gasification(UCG	4/10/2014	Predictive Geosciences Division	Approved
NETL-PUB-984	Comparison of isotopic and geochemical characteristics of sediments from a gas and liquid prone wel	4/7/2014	Engineered Natural Systems Division	No Record
NETL-PUB-983	Evaluating the Effectiveness of Electronic Water Quality Monitoring to Detect Surface Spills Related t	4/7/2014	Engineered Natural Systems Division	Approved
NETL-PUB-982	Annual Report: Innovative Process Technologies (30 September 2013)	4/2/2014	Structural Materials Development Division	No Record
NETL-PUB-981	Annual Report: Advanced Energy Systems Fuel Cells (30 September 2013)	4/2/2014	Functional Materials Development Division	No record
NETL-PUB-980	Annual Report: Advanced Gasification (30 September 2013)	4/2/2014	Structural Materials Development Division	No Record
NETL-PUB-979	Annual Report: Advanced Combustion (30 September 2013)	4/2/2014	Structural Materials Development Division	No Record
NETL-PUB-978	Annual Report: Advanced Gasification (30 September 2012)	4/2/2014	Structural Materials Development Division	No Record
NETL-PUB-977	Annual Report: Carbon Capture (30 September 2012)	4/2/2014	Functional Materials Development Division	No record
NETL-PUB-976	Degradation of Gas Separation Membrane Alloys in Coal-Derived Syngas	3/28/2014	Structural Materials Development Division	No Record
NETL-PUB-975	Annual Report: Turbine Thermal Management (30 September 2013	3/28/2014	Functional Materials Development Division	No record
NETL-PUB-974	Oxy-fuel combustion, Integrated Pollutant Removal for CO2 Capture and Direct Power Extractior	3/27/2014	Thermal Science Division	No Record
NETL-PUB-973	Chemical reaction mechanisms between YSZ and GDC with PH3 in coal syngas	3/26/2014	Functional Materials Development Division	Approved
NETL-PUB-972	Theoretical Screening of Mixed Solid Sorbents for CO2 Capture Technology	3/25/2014	Molecular Science Division	Approved
NETL-PUB-971	Theoretical Synthesis the Mixed Solid Sorbents for CO2 Capture Applications	3/25/2014	Molecular Science Division	Approved
NETL-PUB-970	High Pressure Steam Oxidation	3/25/2014	Structural Materials Development Division	No Record
NETL-PUB-969	Electronic, structural, phonon dynamical, and CO2 capture properties of LiMZrO3 (M=Na, K) by ab ini	3/25/2014	Molecular Science Division	No record
NETL-PUB-968	High Pressure Steam Oxidation of Ni-base Superalloys in Advanced Ultra-Supercritical Steam Boilers a	3/24/2014	Structural Materials Development Division	No Record
NETL-PUB-967	Toward the Optimization of Collaborative Energy Supply Systems Influenced by the Analysis of Orego	3/24/2014	Thermal Science Division	Approved
NETL-PUB-966	Annual Report: Advanced Energy Systems Fuels (30 September 2013)	3/21/2014	Materials Characterization Division	No record
NETL-PUB-965	Annual Report: Carbon Capture (30 September 2014)	3/21/2014	Functional Materials Development Division	No record
NETL-PUB-964	Dynamic Imaging of Multiphase flows in Rock using computed tomography	3/20/2014	Predictive Geosciences Division	No record
NETL-PUB-963	Foamed cement analysis with computed tomography	3/20/2014	Predictive Geosciences Division	No record
NETL-PUB-962	Reactive Geochemical Flow Modeling with CT Scanned Rock Fractures	3/20/2014	Predictive Geosciences Division	No record
NETL-PUB-961	Geomechanical Strength of Class H Cement Exposed to Sequestration Conditions	3/19/2014	Engineered Natural Systems Division	No Record
NETL-PUB-960	Control Strategy for Fuel Cell Turbine Hybrid Systems	3/18/2014	Thermal Science Division	No Record
NETL-PUB-959	Evaluation of Cathode Airflow Transients in an SOFC/GT Hybrid System using Hardware in the Loop Si	3/18/2014	Thermal Science Division	No Record
NETL-PUB-958	Cold Air as a Function of Pressure Drop in Fuel Cell Turbine Hybrid Systems	3/18/2014	Thermal Science Division	No Record
NETL-PUB-957	Fuel Composition Transients in Fuel Cell Turbine Hybrid for Polygeneration Applications	3/18/2014	Thermal Science Division	No Record
NETL-PUB-956	Adaptive Control of a Nonlinear FC-GT Balance of Plant Simulation Facility	3/18/2014	Thermal Science Division	No Record
NETL-PUB-955	SOFC Lifetime Assessment in Gas Turbine Hybrid Power Systems	3/18/2014	Thermal Science Division	No Record
NETL-PUB-954	Hardware in the Loop Simulation of Fuel Cell Gas Turbine Hybrid Accelerated Degradatior	3/18/2014	Thermal Science Division	No record

NETL-PUB-952	Advanced Computational Tools for Optimization and Uncertainty Quantification of Carbon Capture Pl	3/17/2014	Computational Science and Engineering Division	Approved
NETL-PUB-951	Surface Characterization of Au Nanoparticle-Incorporated Thin Film Oxides for Optical Gas Sensing	3/17/2014	Molecular Science Division	No record
NETL-PUB-950	Carboxylate Supported Ionic Liquid Membranes for CO2/H2 Gas Separatior	3/17/2014	Functional Materials Development Division	Approved
NETL-PUB-949	Interstitial Atom and Metal Diffusion in Nickel-based Alloy from First-principles based Kinetic Monte (	3/14/2014	Molecular Science Division	Approved
NETL-PUB-948	Technology Needs for Supercritical CO2 Power Systems	3/14/2014	Thermal Science Division	No Record
NETL-PUB-947	Mechanically Robust Hollow Fiber Supported Ionic Liquid Membranes for CO2 Separation Application	3/10/2014	Functional Materials Development Division	No record
NETL-PUB-944	Kinetics of magnetite (Fe3O4) oxidation to hematite (Fe2O3) in air for chemical looping combustior	3/7/2014	Energy Process Innovation Division	Approved
NETL-PUB-943	Generation of Singlet Oxygen by Photoexcited Au25(SR)18 Clusters	3/6/2014	Molecular Science Division	No record
NETL-PUB-942	Synthesis of Ultrasmall Platinum Nanoparticles and Structural Relaxatior	3/6/2014	Molecular Science Division	No record
NETL-PUB-941	Applied Geochemistry, Special Issue	3/5/2014	Engineered Natural Systems Division	No Record
NETL-PUB-940	Numerical simulation of porosity and permeability evolution of Mount Simon sandstone under geolo	3/5/2014	Predictive Geosciences Division	No record
NETL-PUB-939	Chemical Looping Combustion-- Research for Power and Process Heat Applications	3/4/2014	Office of Research & Development - Level 1	No record
NETL-PUB-938	Composition and origin of authigenic carbonates in the Krishna-Godavari and Mahanadi Basins, easte	3/3/2014	Engineered Natural Systems Division	No Record
NETL-PUB-937	Bulk and clay mineral composition of sediments of the Bay of Bengal, Andaman Sea, and Arabian Sea	3/3/2014	Engineered Natural Systems Division	No Record
NETL-PUB-936	Annual Report: Unconventional Resources (30 September 2013	3/3/2014	Engineered Natural Systems Division	No Record
NETL-PUB-935	Annual Report: Deepwater and Ultra-Deepwater Research (30 September 2013	3/3/2014	Engineered Natural Systems Division	No Record
NETL-PUB-934	Annual Report: National Risk Assessment Partnership	3/3/2014	Predictive Geosciences Division	No record
NETL-PUB-933	A Dynamic Process Model of a Natural Gas Combined Cycle – Model Development with Startup and S	2/28/2014	Computational Science and Engineering Division	No Record
NETL-PUB-932	Annual Report: Natural Gas Environmental Program (30 September 2013	2/27/2014	Engineered Natural Systems Division	No Record
NETL-PUB-931	Air- and Oxy-Fired Fireside Corrosion	2/27/2014	Structural Materials Development Division	No Record
NETL-PUB-930	Annual Report: Natural Gas Hydrate Research (30 September 2013	2/27/2014	Predictive Geosciences Division	No record
NETL-PUB-929	Annual Report: Carbon Storage (30 September 2013)	2/27/2014	Predictive Geosciences Division	No record
NETL-PUB-928	A numerical simulation approach to evaluate the performance of tracer and pressure monitoring for	2/26/2014	Engineered Natural Systems Division	No Record
NETL-PUB-927	Potential impact of combustion contaminants in saline formatior	2/25/2014	Predictive Geosciences Division	No record
NETL-PUB-926	Non-Newtonian Multiphase Slurry Workshop	2/24/2014	Computational Science and Engineering Division	No Record
NETL-PUB-925	The bubble point of supported ionic liquid membranes using flat sheet support	2/21/2014	Functional Materials Development Division	No record
NETL-PUB-924	Kinetics analysis of reduction of hematite oxygen carrier with CH4, CO, and H2 and oxidation with air	2/20/2014	Energy Process Innovation Division	Approved
NETL-PUB-923	Operating Experience of a chemical looping circulating fluidized bed combusto	2/20/2014	Energy Process Innovation Division	Approved
NETL-PUB-922	Fixed Bed Reduction of Hematite Analysis and Mechanism Development and Verification using CFD	2/20/2014	Energy Process Innovation Division	Approved
NETL-PUB-921	Annual Report: Carbon Capture Simulation Initiative (CCSI) (2013	2/19/2014	Computational Science and Engineering Division	No Record
NETL-PUB-920	Annual Report: UFER (2013)	2/19/2014	Predictive Geosciences Division	No record
NETL-PUB-919	Assessing Environmental Impacts of Coalbed Methane and Shale Gas Development on Water Resour	2/18/2014	Engineered Natural Systems Division	No Record
NETL-PUB-918	Characterization of Fatigue Crack Growth Behavior of Nickel Base Superalloy Haynes 282 at Elevated	2/14/2014	Structural Materials Development Division	No Record
NETL-PUB-917	Operating Experience of a chemical looping circulating fluidized bed combusto	2/14/2014	Energy Process Innovation Division	Approved
NETL-PUB-916	Update on NETL's Industrial Carbon Management Initiative: A review of 2013 Activities	2/12/2014	Energy Process Innovation Division	Approved
NETL-PUB-915	Fixed bed reduction of hematite under alternating reduction and oxidation cycle	2/12/2014	Energy Process Innovation Division	Approved
NETL-PUB-914	Optimizing Drilling Parameters: A Preliminary Model --Drilling Carthage Mable	2/11/2014	Predictive Geosciences Division	No record
NETL-PUB-913	Characterizing potential for CO2 storage and EGR in depleted shale gas fields	2/10/2014	Predictive Geosciences Division	No record
NETL-PUB-912	Environmental Geology and the Unconventional Gas Revolution: Introduction to the Special Issu	2/6/2014	Engineered Natural Systems Division	No Record
NETL-PUB-911	Erosion-resistant Nanocoatings for Improved Energy Efficiency in Gas Turbines: Final Report Project N	2/4/2014	Office of Research & Development - Level 2 (DD)	No record
NETL-PUB-909	Extreme Temperature Coatings fro Future Gas Turbine Engines	2/2/2014	Office of Research & Development - Level 2 (DD)	Approved
NETL-PUB-908	Development of LIBS sensor for surface and subsurface monitoring of Carbon dioxide leak in carbon s	1/31/2014	Materials Characterization Division	No Record
NETL-PUB-907	Development of laser induced breakdown spectroscopy (LIBS) sensor for downhole applications in ca	1/31/2014	Materials Characterization Division	No Record
NETL-PUB-906	An automated Pitot tube system for millimeter-resolution measurements of water velocity profiles in	1/30/2014	Predictive Geosciences Division	No record
NETL-PUB-905	Distribution of rare earth elements (REE) in organic-rich shales from the Appalachian Basir	1/29/2014	Engineered Natural Systems Division	No Record
NETL-PUB-904	Poisoning of a Silica-Supported Cobalt Catalyst due to Presence of Sulfur Impurities in Syngas during F	1/27/2014	Molecular Science Division	No record
NETL-PUB-903	NETL Research Efforts on Development and Integration of Advanced Material Systems and Airfoil Coc	1/24/2014	Office of Research & Development - Level 2 (DD)	Approved

NETL-PUB-901	Examination of charge transfer in Au/YSZ for high-temperature optical gas sensing	1/22/2014	Molecular Science Division	Approved
NETL-PUB-900	Status of Equation of State Project at the NETL	1/16/2014	Energy Process Innovation Division	No Record
NETL-PUB-899	Addendum 1 to Computed Tomography and Statistical Analysis of Bubble Size Distributions in Atmos	1/16/2014	Materials Characterization Division	No record
NETL-PUB-898	Effect of H2S Reaction with Hydrated Class H Well Cement under Geologic Sequestration Condition:	1/16/2014	Materials Characterization Division	No record
NETL-PUB-897	CO2 interaction with Marcellus shale	1/16/2014	Materials Characterization Division	No Record
NETL-PUB-896	Microscopic Investigations of Sulfur - Rich Corrosion Products on Coppe	1/15/2014	Materials Characterization Division	No record
NETL-PUB-895	Experiment results for the leak path evolution in fractured cement from reaction with CO2-saturated	1/15/2014	Predictive Geosciences Division	No record
NETL-PUB-894	MODELING OF A STEAM TURBINE INCLUDING PARTIAL ARC ADMISSION FOR USE IN A PROCESS SIMU	1/15/2014	Computational Science and Engineering Division	No Record
NETL-PUB-893	Assessment of Foamed Cement used in Deep Offshore Wells	1/14/2014	Materials Characterization Division	No Record
NETL-PUB-892	Evaluation of the Effect of Flow on Pressurized Foamed Cement Bubble Distributior	1/14/2014	Materials Characterization Division	No Record
NETL-PUB-891	Theoretical Screening of Mixed Solid Sorbents for CO2 Capture Technology	1/14/2014	Molecular Science Division	No record
NETL-PUB-890	Risks and Impact Assessment for Deepwater and Ultra-Deepwater Gulf of Mexico Resource:	1/13/2014	Engineered Natural Systems Division	No Record
NETL-PUB-889	Time-dependent fluid migration from a storage formation via leaky wells	1/13/2014	Predictive Geosciences Division	No record
NETL-PUB-888	Characterization of the Martinsburg Formation using Computed Tomography and Geophysical Loggin	1/13/2014	Predictive Geosciences Division	No record
NETL-PUB-887	Methanogenic Archaea in the Marcellus Shale: Extremophiles living more than a mile inside the Earth	1/10/2014	Engineered Natural Systems Division	No Record
NETL-PUB-886	High Temperature Optical Sensing of Gas and Temperature Using Au-Nanoparticle Incorporated Oxid	1/6/2014	Functional Materials Development Division	No record
NETL-PUB-885	Effect of Doping and Preparation Methods in Solid Electrolyte for Lithium Ion Batterie:	1/3/2014	Functional Materials Development Division	No Record
NETL-PUB-884	Comparative study of Laser Induced Breakdown Spectroscopy (LIBS) and Laser Ablation Molecular Isc	1/3/2014	Materials Characterization Division	No Record
NETL-PUB-884	Comparative study of Laser Induced Breakdown Spectroscopy (LIBS) and Laser Ablation Molecular Isc	1/3/2014	Materials Characterization Division	No record
NETL-PUB-883	Laser-Induced Breakdown Spectroscopy of High-Pressure CO2-Bearing Solution: Application to CO2 S	1/3/2014	Materials Characterization Division	No Record
NETL-PUB-883	Laser-Induced Breakdown Spectroscopy of High-Pressure CO2-Bearing Solution: Application to CO2 S	1/3/2014	Materials Characterization Division	No record
NETL-PUB-882	Laser spark plug thermal and vibrational experimentatior	1/3/2014	Materials Characterization Division	No Record
NETL-PUB-881	FLUIDIZED BED TESTING OF COMMERCIALLY PREPARED MGO-PROMOTED HEMATITIE AND CUO-FE2C	12/27/2013	Functional Materials Development Division	No Record
NETL-PUB-880	Impact of temperatures on tar formation from co-pyrolysis of coal and biomass blend:	12/19/2013	Energy Process Innovation Division	Approved
NETL-PUB-879	Investigation on CH4 leakage detection at an Upper Devonian gas production well: A numerical mode	12/19/2013	Engineered Natural Systems Division	No Record
NETL-PUB-878	Mechanical and Hydraulic Properties Characterization Chamber for Hydrate-Bearing Sediment:	12/19/2013	Predictive Geosciences Division	No record
NETL-PUB-877	An SMP Subloading Critical State Model for Methane Hydrate-Bearing Soils	12/18/2013	Predictive Geosciences Division	No record
NETL-PUB-876	Au25 Nanoclusters for Highly Efficient Electrochemical CO2 Conversior	12/13/2013	Molecular Science Division	No record
NETL-PUB-875	Electrostatic Charging in Gas-Solid Fluid Systems	12/10/2013	Energy Process Innovation Division	No Record
NETL-PUB-874	Electrostatic Charging in Gas-Solid Fluid Systems	12/10/2013	Energy Process Innovation Division	No Record
NETL-PUB-873	Use of NDIR sensors for real-time monitoring of CO2 levels in coal mine drainage discharge	12/10/2013	Engineered Natural Systems Division	No Record
NETL-PUB-872	Use of coal combustion by-products and shale drill cuttings as supplements for green roof growth sut	12/10/2013	Engineered Natural Systems Division	No Record
NETL-PUB-871	Spatial analysis of charcoal hearth distribution around a Pennsylvania iron furnace	12/10/2013	Engineered Natural Systems Division	No Record
NETL-PUB-870	Field and Lab-Based Microbiological Investigations of the Marcellus Shale	12/10/2013	Engineered Natural Systems Division	No Record
NETL-PUB-869	Annual Report: National Risk Assessment Partnership (30 September 2012)	12/10/2013	Predictive Geosciences Division	No record
NETL-PUB-868	Approaches toward Evaluating Greenhouse Gas Emissions from Unconventional Well Completion:	12/6/2013	Predictive Geosciences Division	No record
NETL-PUB-867	Bioreactor Design for Algal Growth as Sustainable Energy Source	12/4/2013	Molecular Science Division	No record
NETL-PUB-866	Application of ICP-MS in assessing the abundance of rare earth elements (REE) in Marcellus Shale cor	12/4/2013	Engineered Natural Systems Division	No Record
NETL-PUB-865	Estimating the air quality impact of Marcellus shale natural gas development at two well pads in nort	12/3/2013	Engineered Natural Systems Division	No Record
NETL-PUB-864	Data Report for Monitoring at Six West Virginia Marcellus Shale Development Sites using NETL's Mob	12/3/2013	Engineered Natural Systems Division	No Record
NETL-PUB-863	Optical Gas Sensing Responses in Electronically Conductive Oxides with Large Free Carrier Density	11/29/2013	Functional Materials Development Division	No record
NETL-PUB-862	Kinetic Monte Carlo Simulation of CO Adsorption on Sulfur-Covered Pd(100	11/29/2013	Molecular Science Division	No record
NETL-PUB-861	Understanding the Performance of Lithium-Sulfur Batteries through Analysis of Shuttle Current:	11/26/2013	Functional Materials Development Division	No Record
NETL-PUB-860	Effect of doping and preparation methods in Solid Electrolyte for Lithium batterie:	11/26/2013	Functional Materials Development Division	No Record
NETL-PUB-859	Pulse Electrodeposition of Amorphous Si Film Anodes for Li-Ion Battery	11/26/2013	Functional Materials Development Division	No Record
NETL-PUB-858	Diverse pyrochlore materials for oxygen reduction and evolution reaction in alkaline mediun	11/26/2013	Functional Materials Development Division	No Record
NETL-PUB-857	Rapid Solution Chemistry Approach for Synthesizing Mo6S8 Chevrel Phase Cathode for Rechargeable	11/26/2013	Functional Materials Development Division	No Record

NETL-PUB-856	The interactions of rock with CO2 and brine under CO2 sequestration condition:	11/22/2013	Predictive Geosciences Division	No record
NETL-PUB-855	Anomalous porosity preservation and preferential accumulation of gas hydrate in the Andaman Accr	11/20/2013	Engineered Natural Systems Division	No Record
NETL-PUB-854	Probing active site chemistry with differently charged Au25q nanoclusters (q = -1, 0, +1	11/20/2013	Molecular Science Division	No record
NETL-PUB-853	Pair interaction model based Kinetic Monte Carlo simulation of oxygen and metal diffusion in Ni-base	11/18/2013	Molecular Science Division	No record
NETL-PUB-852	Pair interaction model based Kinetic Monte Carlo simulation of oxygen and metal diffusion in Ni-bas	11/18/2013	Molecular Science Division	No record
NETL-PUB-851	The Consequence of Stress Intensity on Fatigue Crack Propagation in High-Strength Steels in Sour Env	11/8/2013	Structural Materials Development Division	No Record
NETL-PUB-850	Using charged Au25q nanoclusters (q = -1, 0, +1) to probe the active site chemistry of supported gold	11/15/2013	Molecular Science Division	No record
NETL-PUB-849	Atomically Precise Au25 Nanoclusters for Efficient Electrochemical CO2 Conversior	11/15/2013	Molecular Science Division	No record
NETL-PUB-848	Role of Watershed Stakeholders in Addressing Water Management Issues from Shale Developmen	11/7/2013	Engineered Natural Systems Division	No Record
NETL-PUB-847	Localized Corrosion and Fatigue Behavior of Ultra-Deep Drilling Alloys	11/5/2013	Structural Materials Development Division	No Record
NETL-PUB-846	Fatigue Crack Growth Rate of UD-165 in Sour Envrionment	11/5/2013	Structural Materials Development Division	No Record
NETL-PUB-845	Transfer Function Development for Control of Fuel Cell Turbine Hybrid System:	11/4/2013	Thermal Science Division	No Record
NETL-PUB-844	Smoothing Techniques for Real-Time Turbine Speed Sensors	11/4/2013	Thermal Science Division	No Record
NETL-PUB-843	Research and Educational Opportunities in Hardware-in-the-Loop Simulation of Advanced Power Syst	11/4/2013	Thermal Science Division	No Record
NETL-PUB-842	Control Strategy for a Direct-Fired Fuel Cell Turbine Hybrid Power System	11/4/2013	Thermal Science Division	No Record
NETL-PUB-841	Energy Conversion with Solid Oxide Fuel Cell Systems: A Review of Concepts and Outlooks for the Sh	11/4/2013	Thermal Science Division	No Record
NETL-PUB-840	Adaptive Control of Balance of Plant Components in a Fuel Cell Gas Turbine Power Plant Simulato	11/4/2013	Thermal Science Division	No Record
NETL-PUB-839	Environmentally Assisted Cracking of Ultra Strength Low Alloy Steel in Sour Environment:	11/4/2013	Structural Materials Development Division	No Record
NETL-PUB-838	Experimental analysis of flow unbalance in two parallel counter-flow recuperator:	11/4/2013	Thermal Science Division	No Record
NETL-PUB-837	Avoiding Compressor Surge During Emergency Shut-Down Hybrid Turbine Systems	11/4/2013	Thermal Science Division	No Record
NETL-PUB-836	Equivalence Ratio Startup Control of a Fuel Cell Turbine Hybrid System:	11/4/2013	Thermal Science Division	No Record
NETL-PUB-835	Geocube: a flexible energy and natural systems web mapping too	11/2/2013	Engineered Natural Systems Division	No Record
NETL-PUB-834	Theoretical Screening of Mixed Solid Sorbents for CO2 Capture Technolog	10/31/2013	Molecular Science Division	No record
NETL-PUB-833	Identifying Solid Sorbents for CO2 Capture Technology by ab initio Thermodynamic Approach	10/31/2013	Molecular Science Division	No record
NETL-PUB-832	Variable Grid Method: developing a new geovisualization tool to simultaneously communicate spatia	10/29/2013	Engineered Natural Systems Division	No Record
NETL-PUB-831	High Pressure Steam Oxidation of Ni-base Superalloys in Advanced Ultra-Supercritical Steam Boilers a	10/29/2013	Structural Materials Development Division	No Record
NETL-PUB-830	High Pressure Steam Oxidation of Ni-base Superalloys in Advanced Ultra-Supercritical Steam Boilers a	10/29/2013	Structural Materials Development Division	No Record
NETL-PUB-829	Molecular Simulation Models of Carbon Dioxide Intercalation in Hydrated Sodium Montmorillonite	10/28/2013	Materials Characterization Division	No record
NETL-PUB-828	Azimuthal polarization for Raman enhancement in capillary waveguides	10/22/2013	Thermal Science Division	No Record
NETL-PUB-827	Mechanism of Oxygen Exchange Between CO2 and TiO2(101) Anatase	10/17/2013	Molecular Science Division	No record
NETL-PUB-826	The Marcellus and Millboro Shale in Virginia and West Virginia: Field Trip Guide	10/17/2013	Engineered Natural Systems Division	No Record
NETL-PUB-825	Characterization of a Nitrogen Diluted Hydrogen Diffusion Flame for Model Validatior	10/17/2013	Thermal Science Division	Approved
NETL-PUB-824	Annual Report: Carbon Storage (30 September 2012)	10/15/2013	Predictive Geosciences Division	No record
NETL-PUB-823	Annual Report: Turbines (30 September 2012)	10/15/2013	Functional Materials Development Division	No record
NETL-PUB-822	Annual Report: EPAct Complementary Program's Ultra-Deepwater R&D Portfolio and Unconventiona	10/15/2013	Engineered Natural Systems Division	No Record
NETL-PUB-821	Annual Report: Fuels (30 September 2012)	10/15/2013	Materials Characterization Division	No record
NETL-PUB-820	Annual Report: Carbon Capture Simulation Initiative (CCSI) (30 September 2012)	10/15/2013	Computational Science and Engineering Division	No Record
NETL-PUB-819	Annual Report: Fuel Cells (30 September 2012)	10/15/2013	Functional Materials Development Division	No record
NETL-PUB-818	Annual Report: Advanced Combustion (30 September 2012)	10/15/2013	Structural Materials Development Division	No Record
NETL-PUB-817	Monsoon-influenced variation in productivity and lithogenic sediment fluxes since 110 ka in the Mah	10/11/2013	Engineered Natural Systems Division	No Record
NETL-PUB-816	Mixed Solid Sorbents for CO2 Capture a Theoretical Approach	10/8/2013	Molecular Science Division	Approved
NETL-PUB-815	Novel geovisualization approach to simultaneously communicate spatial trends and uncertainty asso	10/2/2013	Engineered Natural Systems Division	No Record
NETL-PUB-814	Analysis of spatial patterns and trends of subsurface geology in the Gulf of Mexico to improve offsho	10/2/2013	Engineered Natural Systems Division	No Record
NETL-PUB-813	CO2 sequestration in saline formation	10/1/2013	Predictive Geosciences Division	No record
NETL-PUB-812	Overview of technical advances that encourage domestic US tar sand developmen	10/1/2013	Predictive Geosciences Division	No record
NETL-PUB-811	Advanced Chemistry Surrogate Model Theory and Development within C3M for CFD Modeling, Part 2	9/26/2013	Computational Science and Engineering Division	No Record
NETL-PUB-810	Diesel Reforming Over Pyrochlore-Based Monoliths	9/25/2013	Energy Process Innovation Division	No Record

NETL-PUB-809	Effect of catalyst bed configuration on the partial oxidation of liquid hydrocarbon:	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-808	Reforming of Methane Using Rh Substituted Pyrochlores	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-807	Reactor Design for Diesel Reforming Using a Graded-Composition Monolith	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-807	Reactor Design for Diesel Reforming Using a Graded-Composition Monolith	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-806	Catalytic reforming of biodiesel for fuel cell applications	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-805	FTIR studies of Rh substituted lanthanum zirconate (La2Zr2O7) pyrochlores for CO2 reforming of CH4	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-804	Multi-Physics Modeling of Auto-Thermal Diesel Surrogate Reforming	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-803	Reforming of liquid fuels for hydrogen production using substituted pyrochlore:	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-802	., In-situ FTIR study of the role of La in CO2 activation over lanthanum zirconate (La2Zr2O7) pyrochlor	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-801	Deactivation of Reforming Catalysts	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-800	Dry reforming of CH4 over Rh pyrochlores; studying catalytic active sites by (a) CH4/CD4 isotope effe	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-799	Carbon Formation Study on Pyrochlore Reforming Catalyst	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-798	Effect of temperature on activity of Pt- and Ru-substituted lanthanum zirconate pyrochlores (La2Zr2C	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-797	Accelerating Technology Development through Integrated Computation and Experimentation (Editor	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-796	Kinetic-theory predictions of clustering instabilities in granular flows: beyond the small-Knudsen regir	9/25/2013	Computational Science and Engineering Division	No Record
NETL-PUB-795	Exergy & economic analysis of biogas fueled SOFC systems	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-794	Exergy and economic analyses of advanced IGCC–CCS and IGFC–CCS power plants	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-793	Steam–Coal Gasification Using CaO and KOH for in Situ Carbon and Sulfur Capture	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-792	Exergy & Economic Analyses of CaO Looping Coal Gasification Power Plant Configurations	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-791	Calcium Oxide Looping Coal Gasification with Addition of Potassium Catalysts	9/25/2013	Energy Process Innovation Division	No Record
NETL-PUB-790	Task 2—Materials for Advanced Boiler and Oxy-combustion Systems (US)	3/26/2014	Structural Materials Development Division	No Record
NETL-PUB-789	Task 1—Steam Oxidation (US)	3/26/2014	Structural Materials Development Division	No Record
NETL-PUB-788	GREENHOUSE GASES AND CLAY MINERALS	9/23/2013	Materials Characterization Division	Approved
NETL-PUB-787	Phase field modeling of metal oxidation behavior	9/20/2013	Molecular Science Division	No record
NETL-PUB-786	Pinning force from multiple second-phase particles in grain growth	9/18/2013	Molecular Science Division	No record
NETL-PUB-785	Assessment of Foamed Cement used in Deep Offshore Wells	9/18/2013	Materials Characterization Division	No Record
NETL-PUB-784	Risks and Impact Assessment for Deepwater and Ultra-Deepwater Gulf of Mexico Resource:	9/10/2013	Engineered Natural Systems Division	No Record
NETL-PUB-783	Diffuse-interface modeling and multi-scale-relay simulation of metal oxidation kinetics - with revisit o	9/16/2013	Molecular Science Division	No record
NETL-PUB-782	Investigation of CO2 Storage and Enhanced Gas Recovery in Depleted Shale Gas Formations Using a D	9/16/2013	Predictive Geosciences Division	No record
NETL-PUB-781	Dynamic morphology of gas hydrate on a methane bubble in water under deepsea condition:	9/13/2013	Predictive Geosciences Division	No record
NETL-PUB-780	Modeling the geomechanical behavior of synthetic gas hydrate deposits	9/11/2013	Predictive Geosciences Division	No record
NETL-PUB-779	Carbon Capture Simulation Initiative: A Case Study in Multi-Scale Modeling and New Challenges	9/10/2013	Computational Science and Engineering Division	No Record
NETL-PUB-776	Pinning Force of Grain Boundary Migration by a Coherent Particle	9/4/2013	Molecular Science Division	No record
NETL-PUB-775	Development of a User-friendly Predictive Tool for Hydrocarbon Properties at High-Temperature and	8/30/2013	Energy Process Innovation Division	Approved
NETL-PUB-774	Computational Models for Density and Viscosity of Hydrocarbons in Ultradeep Reservoir:	8/30/2013	Energy Process Innovation Division	Approved
NETL-PUB-773	Status of EOS Model Development for Extreme Temperatures and Pressures	8/30/2013	Energy Process Innovation Division	Approved
NETL-PUB-772	Impact of Drilling Fluid Rheology and Wellbore Pressure on Rock Cuttings Removal Performance: Nun	8/30/2013	Energy Process Innovation Division	No Record
NETL-PUB-771	High-Temperature, High-Pressure Equation Of State: Solidification of Hydrocarbons and measuremen	8/30/2013	Energy Process Innovation Division	Approved
NETL-PUB-771	High-Temperature, High-Pressure Equation Of State: Solidification of Hydrocarbons and measuremen	5/20/2014	Energy Process Innovation Division	Approved
NETL-PUB-770	Observation of flow regime transition in a CFB riser using an LDV	8/30/2013	Energy Process Innovation Division	Approved
NETL-PUB-769	Method and Prediction of Transition Velocities in a Circulating Fluidized Bed's Rise	8/30/2013	Energy Process Innovation Division	Approved
NETL-PUB-768	Performance and Kinetics of a Solid Amine Sorbent for Carbon Dioxide Remova	8/30/2013	Energy Process Innovation Division	Approved
NETL-PUB-767	On the superficial gas velocity in deep gas–solids fluidized beds	8/30/2013	Energy Process Innovation Division	Approved
NETL-PUB-766	Integrated Gasification Combined Cycle (IGCC)	8/30/2013	Energy Process Innovation Division	Approved
NETL-PUB-765	CO2 adsorption: Experimental Investigation with Kinetics Verification and CFD Reactor Model Validat	8/30/2013	Energy Process Innovation Division	Approved
NETL-PUB-764	Dynamic Analysis of a Circulating Fluidized Bed Riser	8/30/2013	Energy Process Innovation Division	Approved
NETL-PUB-763	Characterization of the Physical Properties for Solid Granular Materials	8/30/2013	Energy Process Innovation Division	Approved

NETL-PUB-762	CO2 adsorption: Experimental Investigation with Kinetics Verification and CFD Reactor Model Validat	8/30/2013	Energy Process Innovation Division	Approved
NETL-PUB-761	Improvement in Precision, Accuracy, and Efficiency in Standardizing the Characterization of Granular	8/30/2013	Energy Process Innovation Division	Approved
NETL-PUB-760	Characterization of the Physical Properties for Solid Granular Material:	8/28/2013	Energy Process Innovation Division	Approved
NETL-PUB-759	Predicting Gas-Solid Fluidization and Slow, Dense-Phase Granular Flows:1. A report on recent challen	8/28/2013	Energy Process Innovation Division	Approved
NETL-PUB-758	A Challenge Problem: 2. CFD Validation of Bubbling Fluidized Bed Hydrodynamics	8/28/2013	Energy Process Innovation Division	Approved
NETL-PUB-757	A Challenge Problem: 2. CFD Validation of Circulating Fluidized Beds	8/28/2013	Energy Process Innovation Division	Approved
NETL-PUB-756	Determining the contribution to slag, flyash, syngas in entrained flow gasificatior	8/28/2013	Energy Process Innovation Division	Approved
NETL-PUB-755	Solid - State Electrochemical Heat Engines	8/26/2013	Office of Research & Development - Level 1	No record
NETL-PUB-754	Task 2—Materials for Advanced Boiler and Oxy-combustion Systems (NETL-US)	8/24/2013	Structural Materials Development Division	No Record
NETL-PUB-753	Task 1—Steam Oxidation (NETL-US)	8/24/2013	Structural Materials Development Division	No Record
NETL-PUB-751	Evaluating the performance of hydraulically-fractured shale reservoir:	8/21/2013	Engineered Natural Systems Division	No Record
NETL-PUB-750	Theoretical and experimental investigation of evanescent-wave absorption sensors for extreme temp	8/16/2013	Thermal Science Division	Approved
NETL-PUB-749	Advanced Chemistry Surrogate Model Theory and Development within C3M for CFD Modeling, Part 1	8/15/2013	Computational Science and Engineering Division	Approved
NETL-PUB-748	Advanced Chemical Modeling Through Surrogate Response Models and Uncertainty Quantification in	8/15/2013	Computational Science and Engineering Division	No Record
NETL-PUB-747	Structural and Performance Characterization of Ptx/Mg-MOF-74 Catalysts for CO2 Cycloaddition to P	8/14/2013	Molecular Science Division	Approved
NETL-PUB-746	Application of the Laplace-Young Equation in Determining the Bubble Point of Supported Ionic Liquid	8/13/2013	Functional Materials Development Division	No record
NETL-PUB-745	A spatial analysis of groundwater receptors in support of unconventional resource & CO2 storage risk	8/9/2013	Engineered Natural Systems Division	No Record
NETL-PUB-744	Evaluating the performance of hydraulically-fractured shale gas resource:	8/9/2013	Engineered Natural Systems Division	No Record
NETL-PUB-743	Modeling the Spatial Distribution of Gas Bubbles in Foamed Cement System:	8/8/2013	Materials Characterization Division	Approved
NETL-PUB-742	Carbon dioxide leak monitoring for carbon sequestration application:	8/8/2013	Materials Characterization Division	Approved
NETL-PUB-741	Iron and Sulfur Geochemistry in Class H Wellbore Cements Exposed to Supercritical CO2 & H2S	8/8/2013	Materials Characterization Division	Approved
NETL-PUB-740	Development of a Fast Raman Gas Composition Analyzer for Power Generation Application:	8/7/2013	Thermal Science Division	No Record
NETL-PUB-739	Evaluating the performance of hydraulically-fractured shale gas resources in the Appalachian Basir	8/7/2013	Engineered Natural Systems Division	No Record
NETL-PUB-738	Advanced Material Systems and Airfoil Configurations for Future Gas Turbine Engine:	8/7/2013	Functional Materials Development Division	No Record
NETL-PUB-737	Mechanisms of CO2 interaction with montmorillonite	8/7/2013	Materials Characterization Division	Approved
NETL-PUB-736	Preliminary Evaluation of the Geochemical Behavior of Marcellus Shale Drill Cuttings with Different T	8/6/2013	Materials Characterization Division	Approved
NETL-PUB-735	Distinguishing brine sources in wastewater effluent in Western Pennsylvanian streams using Sr isotop	8/6/2013	Engineered Natural Systems Division	No Record
NETL-PUB-734	Computed Tomography and Statistical Analysis of Bubble Size Distributions in Atmospheric-Generate	8/6/2013	Materials Characterization Division	Approved
NETL-PUB-733	Monitoring the dissolution of Marcellus Shale by hydraulic fracturing fluids using Sr isotopes: a comp	8/2/2013	Engineered Natural Systems Division	No Record
NETL-PUB-732	Using Sr isotopes to track the dissolution of Marcellus Shale by hydraulic fracturing fluid:	8/2/2013	Engineered Natural Systems Division	No Record
NETL-PUB-731	Distributor Plate Modeling with CPFD's Barracuda, Compared to ECVT	8/1/2013	Energy Process Innovation Division	Approved
NETL-PUB-730	Environmentally Assisted Cracking of Ultra Strength Low Alloy Steel in Sour Environment:	8/1/2013	Structural Materials Development Division	No Record
NETL-PUB-729	Forming Non-Cementing Hydrates in Laboratory Packed Sandy Sediments with Brine Injectior	7/31/2013	Predictive Geosciences Division	Approved
NETL-PUB-728	Effects of free water and CH4 concentration in pore spaces on CH-4 production via gas exchange met	7/31/2013	Predictive Geosciences Division	Approved
NETL-PUB-727	Effects of Surface Hydrophobicity on the Kinetics of Methane Hydrate Formation in Partially Water-Sa	7/31/2013	Predictive Geosciences Division	Approved
NETL-PUB-726	Crystallographic structure and stability of Pt-substituted LSCo electrocatalyst for SOFC cathode	7/31/2013	Functional Materials Development Division	No Record
NETL-PUB-725	Enhancement of SOFC Cathode Performance by Infiltration	7/31/2013	Functional Materials Development Division	No record
NETL-PUB-724	Phase Transfer-Catalyzed Fast CO2 Absorption by MgO-Based Absorbents with High Cycling Capacity	7/30/2013	Molecular Science Division	Approved
NETL-PUB-723	Corrosion Issues of Advanced Steels in Exploration of Oil and Gas Wells	7/26/2013	Structural Materials Development Division	No Record
NETL-PUB-722	Application of Laser Induced Breakdown Spectroscopy (LIBS) to Carbon Sequestration Research and D	7/23/2013	Materials Characterization Division	Approved
NETL-PUB-721	Analysis of Calcium in CO2-laden Brine (NaCl-CaCl2) by Laser-induced Breakdown Spectroscopy (LIBS	7/23/2013	Materials Characterization Division	Approved
NETL-PUB-720	Laser Induced Breakdown Spectroscopy (LIBS) for Monitoring of Carbon Sequestratior	7/23/2013	Materials Characterization Division	Approved
NETL-PUB-719	An approach for assessing engineering risk from shale gas wells in the United States	7/22/2013	Engineered Natural Systems Division	No Record
NETL-PUB-718	The Influence of Brine on Class H Portland Cement Paste with CO2 Injectior	7/17/2013	Engineered Natural Systems Division	No Record
NETL-PUB-717	Basalt and Sandstone Host Rock with Class H Portland Cement under CO2 Sequestration Conditions	7/17/2013	Engineered Natural Systems Division	No Record
NETL-PUB-716	The effect of cohesive forces on the fluidization of aeratable powder:	7/16/2013	Computational Science and Engineering Division	Approved
NETL-PUB-715	Application of laser induced breakdown spectroscopy (LIBS) in monitoring CO2 storage in deep saline	7/16/2013	Materials Characterization Division	Approved

NETL-PUB-712	Computational Tools for Accelerating Carbon Capture Process Development	7/15/2013	Computational Science and Engineering Division	Approved
NETL-PUB-711	The Carbon Capture Simulation Initiative (CCSI): Computational Tools to Accelerate Commercial Deve	7/15/2013	Computational Science and Engineering Division	Approved
NETL-PUB-710	---PVTX Properties of H2O-CO2-"salt" at PTX Conditions Applicable to Carbon Sequestration in Saline	7/11/2013	Predictive Geosciences Division	Approved
NETL-PUB-709	Steam Oxidation at High Pressure	7/11/2013	Structural Materials Development Division	No Record
NETL-PUB-708	Oxy-Combustion Environmental Characterization: Fire- and Steam-Side Corrosion in Advanced Combı	7/11/2013	Structural Materials Development Division	No Record
NETL-PUB-707	Engineering Laser Safety into the Raman Gas Analyzer for Industrial Applications	7/10/2013	Thermal Science Division	No Record
NETL-PUB-706	A Global Framework for Examination of Degradation in SOFC	7/8/2013	Functional Materials Development Division	No Record
NETL-PUB-705	Computational Modeling of a Pressure-Gain Combustor - Sensitivity Study	7/3/2013	Thermal Science Division	Approved
NETL-PUB-1242	Data Report for Monitoring at Six West Virginia Marcellus Shale Development Sites using NETL's Mob	6/10/2015	Engineered Natural Systems Division	Approved
NETL-PUB-1240	Dynamic modeling of the circulating fluidized bed riser	4/10/2015	Energy Process Innovation Division	Approved
NETL-PUB-1239	Analysis of the CO2-H2O Chemisorption in Lithium Silicates at Low Temperatures (30-80 ºC	4/7/2015	Molecular Science Division	Approved
NETL-PUB-1238	Water Steam Effect during the High CO2 Chemisorption in Lithium Cuprate (Li2CuO2) at Moderate Te	4/7/2015	Molecular Science Division	Approved
NETL-PUB-1237	Theoretical design new mixed solids for CO2 capture applications	4/7/2015	Molecular Science Division	Approved
NETL-PUB-1236	Fuel Flexibility via real-time Raman fuel-gas analysis for turbine-system contro	4/6/2015	Thermal Science Division	Approved
NETL-PUB-1235	Experimental Evaluation of Shale Fracture Permeability in Response to Stress, Shearing, and Swelling	4/6/2015	Predictive Geosciences Division	Approved
NETL-PUB-1234	Submerged plume formation and fate following a deepwater blowout even by droplet size	4/2/2015	Engineered Natural Systems Division	In Progress
NETL-PUB-1233	Rapid Methods for Locating Existing Well Penetrations in Unconventional Well Development Areas ol	3/30/2015	Engineered Natural Systems Division	Approved
NETL-PUB-1231	Hydrophobic solvents for pre-combustion CO2 capture: Experiments, Computational simulations, anc	3/27/2015	Computational Science and Engineering Division	Approved
NETL-PUB-1231	Hydrophobic solvents for pre-combustion CO2 capture: Experiments, Computational simulations, anc	3/27/2015	Computational Science and Engineering Division	Approved
NETL-PUB-1230	Comparison of Atmospheric, Laboratory, and Field-Generated Foamed Cements	3/25/2015	Predictive Geosciences Division	Approved
NETL-PUB-1229	Radial Gas Fraction Distribution	3/25/2015	Predictive Geosciences Division	Approved
NETL-PUB-1228	Evaluating the effects of shale-fluid reactions on produced water chemistry and shale formation pern	3/25/2015	Engineered Natural Systems Division	Approved
NETL-PUB-1227	Progress on a Raman Gas Analyzer for Power Industry Applications	3/20/2015	Thermal Science Division	Approved
NETL-PUB-1226	Fatigue Crack Growth Behavior of Nickel-base Superalloy Haynes 282 at 550-750C	3/20/2015	Structural Materials Development Division	Approved
NETL-PUB-1225	Surface Characterization of Noble-Metal Nanoparticle-Incorporated Thin Film Oxides in Support of Oı	3/20/2015	Molecular Science Division	Approved
NETL-PUB-1224	Field-Generated Foamed Cement: Initial Collection, Computed Tomography, and Analysis	3/19/2015	Materials Characterization Division	Approved
NETL-PUB-1223	Carbon negative CO2 conversion with Au25 nanocatalysts	3/18/2015	Molecular Science Division	Approved
NETL-PUB-1222	Probing the Active Site Chemistry of Supported Gold Catalysts with Charged Au25q Nanoclusters (q =	3/18/2015	Molecular Science Division	Approved
NETL-PUB-1221	Efficient Electrochemical CO2 Conversion Powered by Renewable Energy	3/18/2015	Molecular Science Division	Approved
NETL-PUB-1220	Characterization of Mineral Trapping within Fractured Basalts	3/18/2015	Predictive Geosciences Division	Approved
NETL-PUB-1219	Fracture permeability and relative permeability of coal and their dependence on stress condition	3/18/2015	Predictive Geosciences Division	Approved
NETL-PUB-1218	Characterization of the Oriskany and Berea Sandstones: Evaluating Biogeochemical Reactions of Pote	3/16/2015	Engineered Natural Systems Division	Approved
NETL-PUB-1217	Optimization of Amine-Based Solid Sorbent Chemistry for Post-Combustion Carbon Capture	3/16/2015	Computational Science and Engineering Division	Approved
NETL-PUB-1216	Hydrogen Transport during Steam Oxidation of Iron and Nickel Alloys	3/16/2015	Structural Materials Development Division	Approved
NETL-PUB-1215	Simulation and Evaluation of Heat Recovery Exchangers for Solid Sorbent Carbon Capture System:	3/16/2015	Computational Science and Engineering Division	Approved
NETL-PUB-1214	Multi-scale modeling of carbon capture systems	3/16/2015	Computational Science and Engineering Division	Approved
NETL-PUB-1213	Accelerating the identification, development and scale up of carbon capture technologies through ad	3/16/2015	Computational Science and Engineering Division	Approved
NETL-PUB-1212	FOQUS: A Framework for Optimization and Quantification of Uncertainty	3/16/2015	Computational Science and Engineering Division	Approved
NETL-PUB-1211	Assessment of Hydrocarbon Potential in the Niobrara Formation, Rosebud Sioux Reservation, South D	3/13/2015	Engineered Natural Systems Division	Approved
NETL-PUB-1210	MICROSTRUCTURE AND CORROSION OF PHOSPHATE CONTAINING Cr2O3 GASIFIER REFRACTORIES	3/11/2015	Structural Materials Development Division	Approved
NETL-PUB-1209	Theoretical Synthesis of Mixed Materials for CO2 Capture Applications	3/11/2015	Molecular Science Division	Approved
NETL-PUB-1208	Ab Initio Thermodynamic Approach to Identify Solid Sorbents for CO2 Capture Technology	3/11/2015	Molecular Science Division	Approved
NETL-PUB-1207	Computational Modeling of Mixed Solids for CO2 Capture Sorbents	3/11/2015	Molecular Science Division	Approved
NETL-PUB-1206	Actinide elements and germanium: a first principles density functional theory investigation of the ele	3/11/2015	Molecular Science Division	Approved
NETL-PUB-1205	An Adaptable Analytical Framework for Legacy Wellbore Datasets Risk Assessment: Supporting Scien	3/10/2015	Engineered Natural Systems Division	In Progress
NETL-PUB-1204	Characterization of hollow fiber supported ionic liquid membranes using microfocus X-ray computed	3/6/2015	Functional Materials Development Division	Approved
NETL-PUB-1203	Effect of boundary openness, domain size and relative permeabiltiy on pressure and CO2 saturation p	3/2/2015	Predictive Geosciences Division	Approved

NETL-PUB-1202	Reduced-Order Model for CO2 Enhanced Oil Recovery and Storage Using a Gravity-Enhanced Proces:	3/2/2015	Predictive Geosciences Division	Approved
NETL-PUB-1200	Experimental studies and modeling of CO2 solubility in high temperature aqueous CaCl2, MgCl2, Na2	3/2/2015	Predictive Geosciences Division	Approved
NETL-PUB-1199	Oxidation of CoCrFeMnNi High Entropy Alloys	2/27/2015	Structural Materials Development Division	Approved
NETL-PUB-1198	Interactions of CO2/brine/rock under CO2 sequestration condition:	2/27/2015	Predictive Geosciences Division	Approved
NETL-PUB-1197	Towards an oil spill impact framework: An approach for estimating tourism impacts	2/26/2015	Engineered Natural Systems Division	In Progress
NETL-PUB-1196	Characterization of rare earth elements in Power River Basin sub-bituminous coal ash using laser-indi	2/25/2015	Materials Characterization Division	Approved
NETL-PUB-1195	Matrix effect of sodium compounds on the determination of Metal Ions in Aqueous Solutions by Und	2/25/2015	Materials Characterization Division	Approved
NETL-PUB-1194	Development of a laser induced breakdown spectroscopy sensor to assess ground water quality impa	2/25/2015	Materials Characterization Division	Approved
NETL-PUB-1193	Analysis of slags using laser induced breakdown spectroscopy (LIBS	2/25/2015	Materials Characterization Division	Approved
NETL-PUB-1192	Geochemical alterations of carbonate fractures	2/25/2015	Materials Characterization Division	Approved
NETL-PUB-1191	Analysis of Hematite Re-Oxidation in the Chemical Looping Process	2/20/2015	Energy Process Innovation Division	Approved
NETL-PUB-1190	Developing a Deepwater Blowout and Spill Mode	2/12/2015	Engineered Natural Systems Division	In Progress
NETL-PUB-1189	Efficiency of Multivariate Interpolation Methods in Modeling Hydrocarbon Release Event:	2/12/2015	Engineered Natural Systems Division	Approved
NETL-PUB-1188	Modeling of CO + NO Reaction on Rh(111)	2/6/2015	Molecular Science Division	Approved
NETL-PUB-1187	Modeling of CO + NO Reaction on Rh(111)	2/6/2015	Molecular Science Division	Approved
NETL-PUB-1186	Rapid Screening of Immobilized Amine CO2 Sorbents for Steam Stability by Their Direct Contact with	2/4/2015	Functional Materials Development Division	Approved
NETL-PUB-1185	PREDICTIVE SIMULATION OF DIFFUSION IN NI-BASED ALLOYS USING PAIR INTERACTION BASED KINET	1/30/2015	Molecular Science Division	Approved
NETL-PUB-1184	Experience in chemical looping combustion with metal oxide carriers	1/30/2015	Office of Research & Development - Level 1	Approved
NETL-PUB-1183	Experimental corrosion degradation at the casing-cement interface and casing-production fluid interf	1/29/2015	Structural Materials Development Division	Approved
NETL-PUB-1182	Methanogenic Archaea in Marcellus Shale: A Possible Mechanism for Enhanced Gas Recovery in Uncc	1/29/2015	Engineered Natural Systems Division	Approved
NETL-PUB-1181	Kick Detection at the Bit: A Novel Approach for Early Detection via Low-Cost Monitoring	1/26/2015	Engineered Natural Systems Division	Approved
NETL-PUB-1180	Similitude in Cyclone Separators	1/26/2015	Crosscutting Research Support Division	Approved
NETL-PUB-1179	Simulation of Atomic Diffusion in Fcc NiAl System : A Kinetic Monte Carlo Study	1/23/2015	Molecular Science Division	Approved
NETL-PUB-1178	Materials Performance in Supercritical CO2 in Comparison with Supercritical Steam and Atmospheric	1/16/2015	Structural Materials Development Division	Approved
NETL-PUB-1177	Oxidation Mechanisms of Alloys for Advanced Ultra-Super Critical Steam Application:	1/16/2015	Structural Materials Development Division	Approved
NETL-PUB-1176	Determination of the Initiation and Propagation Mechanisms of Fireside Corrosion of Cr-Forming Stee	1/16/2015	Structural Materials Development Division	Approved
NETL-PUB-1175	87Sr/86Sr Concentrations in the Appalachian Basin: A Review	1/12/2015	Engineered Natural Systems Division	Approved
NETL-PUB-1174	2H, 13C, 18O, 226Ra, and 228Ra Isotope Concentrations in the Appalachian Basin: A Review	1/12/2015	Engineered Natural Systems Division	Approved
NETL-PUB-1173	Strong Sulphide Chemisorption on Electroactive Sites of Nitrogen-Doped Carbon Enables High-Perfor	1/12/2015	Molecular Science Division	Approved
NETL-PUB-1172	Methanogenic Archaea in Marcellus Shale: A Possible Mechanism for Enhanced Gas Recovery in Uncc	1/7/2015	Office of Research & Development - Level 2 (DD)	Rejected
NETL-PUB-1171	Pressure and apparent voidage profiles for riser with an abrupt exit (T-shape) in a CFB riser operating	1/6/2015	Energy Process Innovation Division	Approved
NETL-PUB-1169	The Electrochemical Corrosion Behavior of High Strength Carbon Steel in H2S-Containing Alkaline Brir	12/31/2014	Structural Materials Development Division	Approved
NETL-PUB-1168	Corrosion Behavior of 13Cr Casing in Cement Synthetic Pore Solutior	12/31/2014	Structural Materials Development Division	Approved
NETL-PUB-1167	Development of Advanced Material Systems for Future Gas Turbine Application:	12/31/2014	Office of Research & Development - Level 2 (DD)	Approved
NETL-PUB-1166	Monitoring and assessing groundwater risk near shale gas development wells	12/30/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1165	Methods for assessing the carbon dioxide storage potential of gas shales	12/30/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1164	Cyclic tests in batch mode of CO2 adsorption and regeneration with sorbent consisting of immobilizec	12/30/2014	Energy Process Innovation Division	Approved
NETL-PUB-1163	Electronic structural, phonon dynamic properties and CO2 capture capabilities of Na2-αMαZrO3 (M=	12/24/2014	Molecular Science Division	Approved
NETL-PUB-1162	First-principles density functional theory investigation of the electronic and structural properties of fl	12/24/2014	Molecular Science Division	Approved
NETL-PUB-1161	Mineralization of Carbon Dioxide: Literature Review	12/19/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1160	Adapting NETL ORD's Offshore Integrated Assessment Modeling Approach for the Offshore Arctic	12/18/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1159	A Spatio-Temporal Approach to Analyze Broad Risks and Potential Impacts Associated with Uncontro	12/18/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1158	Investment optimization model for freshwater acquisition and wastewater handling in shale gas prod	12/17/2014	Predictive Geosciences Division	Approved
NETL-PUB-1157	A Novel Approach for Reducing Subsurface Uncertainty and Understanding Key Reservoir Spatial Trer	12/15/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1156	The Effect of Sample Storage Conditions on Microbial Ecology of Hydraulic Fracturing Produced Wate	12/11/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1155	Multi-variate approach to reduce uncertainty and constrain subsurface property trend:	12/10/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1154	Assessing Risks to Prevent Impacts Associated with Unconventional Shale Resources Using Spatial Da	12/10/2014	Engineered Natural Systems Division	Approved

NETL-PUB-1153	Review of pH and Reference Electrodes for Monitoring Corrosion in HPHT Extreme Environment:	12/9/2014	Structural Materials Development Division	Approved
NETL-PUB-1152	Corrosion of Carbon Steels in H2S-Containing Alkaline Brines	12/8/2014	Structural Materials Development Division	Approved
NETL-PUB-1151	Modeling of methane migration in shallow aquifers from gas well drilling	12/8/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1150	Assessment of Hydrocarbon Potential in the Niobrara Formation, Rosebud Sioux Reservation, South D	12/8/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1149	Methods for Locating Legacy Wells in Developing Shale Gas Regions of North Central Pennsylvania	12/8/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1148	MICROSTRUCTURE AND CORROSION OF PHOSPHATE CONTAINING Cr2O3 GASIFIER REFRACTORIES	12/5/2014	Structural Materials Development Division	Approved
NETL-PUB-1147	Use of LIBS to detect CO2 leaks from geological storage based on mineral carbonate interactions in gr	12/5/2014	Materials Characterization Division	Approved
NETL-PUB-1146	Application of Laser induced Breakdown Spectroscopy (LIBS) for monitoring CO2 leak in carbon seque	12/5/2014	Materials Characterization Division	Approved
NETL-PUB-1145	Application of Laser Induced Breakdown Spectroscopy to assess groundwater quality impacts resultir	12/5/2014	Materials Characterization Division	Approved
NETL-PUB-1144	Constructing a Robust Multivariate Impact Assessment Toolbox for Reducing Risk of Oil Spill Events ir	12/5/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1140	Analysis of fixed bed data for the extraction of a rate mechanism for the reaction of hematite with m	12/3/2014	Energy Process Innovation Division	Approved
NETL-PUB-1137	Solid Oxide Fuel Cell Infiltration	12/1/2014	Thermal Science Division	Approved
NETL-PUB-1136	Microscopic Surface Studies of Modified Nickel-Based Superalloy 718 after Corrosion Fatigue in Simu	11/26/2014	Structural Materials Development Division	Approved
NETL-PUB-1135	Functional nanostructure engineering of SOFC cathode by solution infiltratior	11/25/2014	Thermal Science Division	Approved
NETL-PUB-1134	Thermal Conductivity measurements in unsaturated hydrate bearing sediments	11/21/2014	Predictive Geosciences Division	Approved
NETL-PUB-1133	In situ observations of fracture aperture alteration along a shale/cement leak path caused by reactive	11/18/2014	Predictive Geosciences Division	Approved
NETL-PUB-1132	Modeling of CO + NO Reactions on Rh(111)	11/13/2014	Molecular Science Division	No record
NETL-PUB-1131	Variable Grid Method: an Intuitive Approach for Simultaneously Visualizing Spatial Data and Uncertai	11/10/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1131	Variable Grid Method: an Intuitive Approach for Simultaneously Visualizing Spatial Data and Uncertai	11/10/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1130	Adaption of BLOSOM (Blowout Spill Occurrence Model) to High Performance Computing	11/10/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1129	Methods for Finding Legacy Wells in Residential and Commercial Areas	11/5/2014	Engineered Natural Systems Division	Rejected
NETL-PUB-1128	Correlation between the critical viscosity and ash fusion temperatures of coal gasifier ashe	11/3/2014	Structural Materials Development Division	Approved
NETL-PUB-1127	Spatially Integrated Multivariate Probability Assessment	11/3/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1126	Variable Grid Method Tool	10/31/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1122	Reaction kinetics of Mixed CuO-Fe2O3 with methane as oxygen carriers for chemical looping combus	10/24/2014	Energy Process Innovation Division	Approved
NETL-PUB-1121	Thiol-capped nickel nanocatalysts for the electrochemical oxygen evolution reactior	10/24/2014	Molecular Science Division	No record
NETL-PUB-1120	Activity and Structure of Mo-HZSM5 Catalysts for Non-Oxidative Methane Dehydroaromatizatior	10/22/2014	Energy Process Innovation Division	Approved
NETL-PUB-1119	Kinetic and transient studies of dry (CO2) reforming of CH4 over Rh substituted lanthanum zirconate	10/22/2014	Energy Process Innovation Division	Approved
NETL-PUB-1118	Study of active sites of Rh substituted pyrochlores for dry reforming of methane	10/22/2014	Energy Process Innovation Division	Approved
NETL-PUB-1117	Determination of active sites over Rh substituted pyrochlores for dry reforming of methane	10/22/2014	Energy Process Innovation Division	Approved
NETL-PUB-1116	Dry (CO2) reforming of natural gas over pyrochlore catalyst for sustainable and clean energy product	10/22/2014	Energy Process Innovation Division	Approved
NETL-PUB-1115	Characterization of perovskite LaRhO3 for dry (CO2) reforming of methane (DRM	10/22/2014	Energy Process Innovation Division	Approved
NETL-PUB-1114	Kinetic and mechanistic study of dry (CO2) reforming of methane over Rh substituted La2Zr2O7 pyro	10/22/2014	Energy Process Innovation Division	Approved
NETL-PUB-1113	Fuel Processing for Hydrogen Production (Editorial)	10/22/2014	Energy Process Innovation Division	Approved
NETL-PUB-1112	Creating a Robust Multivariate GIS Analysis Tool for Impact Assessment	10/22/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1111	Effect of Fe and Zn promoters on Mo/HZSM-5 catalyst for methane dehydroaromatizatior	10/22/2014	Energy Process Innovation Division	Approved
NETL-PUB-1110	Atomically Precise Au25 Nanocatalysts for Carbon Negative, Renewable Energy-Compatible Electroch	10/21/2014	Molecular Science Division	Approved
NETL-PUB-1109	Controlling the Electronic Structure and Chemical Reactivity of Small Au Nanoparticles	10/21/2014	Molecular Science Division	Approved
NETL-PUB-1108	Detection of Hydrates on Gas Bubbles During a Subsea Oil-Gas Leak	10/21/2014	Predictive Geosciences Division	Approved
NETL-PUB-1107	Charge-State Dependent Electrocatalytic Activity of Discretely Charged, Atomically-Precise Au25(SR)1	10/16/2014	Molecular Science Division	Approved
NETL-PUB-1106	A Carbon Negative, Renewable Energy Compatible Electrochemical Process for Converting CO2 and W	10/16/2014	Molecular Science Division	Approved
NETL-PUB-1105	Controlling the Electronic Structure and Chemical Reactivity of Small Nanoparticles through Atomic C	10/16/2014	Molecular Science Division	Approved
NETL-PUB-1104	Assessing Coastal Vulnerability to Oil Spills Using GIS and the Blowout and Spill Occurrence Model (BL	10/10/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1103	The two-fluid-model in the open-source code MFIX	10/6/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1103	The two-fluid-model in the open-source code MFIX	10/6/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1102	Presentation	10/2/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1101	Predictive Simulation of Diffusion in Ni-based Alloys using Pair Interaction Model Based Kinetic Mont	10/2/2014	Molecular Science Division	Approved

NETL-PUB-1100	Presentation	10/2/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1099	Presentation	10/2/2014	Computational Science and Engineering Division	No Record
NETL-PUB-1098	Potential for secondary mineral precipitation down-hole in shale gas extraction well:	10/2/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1097	Assessing the vulnerability and implications of modeled oil spills in the Gulf of Mexic	9/23/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1096	Lessons Learned Adapting NETL's Gulf of Mexico Integrated Assessment Model for other U.S. Region:	9/22/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1095	Going Beyond the Publication: NETL's Energy Data Exchange (EDX), a coordination and collaboration	9/22/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1094	Structure-Activity Relationship in Ba0.75NiyAl12-yO19-δ Catalysts during CH4 Partial Oxidatior	9/22/2014	Molecular Science Division	Approved
NETL-PUB-1094	Structure-Activity Relationship in Ba0.75NiyAl12-yO19-δ Catalysts during CH4 Partial Oxidatior	9/22/2014	Molecular Science Division	Approved
NETL-PUB-1093	Numerical Simulation for Interfacial Forces of Counter-Current Flow over an Inclined Plate	9/19/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1092	Effect of Oxidizer and Hydrocarbon-Type on Syngas Production Over Ba0.75NiyAl12-yO19-δ Reformir	9/19/2014	Molecular Science Division	Approved
NETL-PUB-1092	Effect of Oxidizer and Hydrocarbon-Type on Syngas Production Over Ba0.75NiyAl12-yO19-δ Reformir	9/19/2014	Molecular Science Division	Approved
NETL-PUB-1091	Oxygen Atom Exchange Between Gaseous CO2 and TiO2 Nanoparticles	9/18/2014	Molecular Science Division	Approved
NETL-PUB-1090	An expert system of coal gasification slag management for the prediction of slag viscosity	9/17/2014	Structural Materials Development Division	Approved
NETL-PUB-1089	Image Analysis of Proppant Performance in Pressurized Fractures	9/10/2014	Predictive Geosciences Division	Approved
NETL-PUB-1088	Permeability evolution of fractured limestone due to reactive flow: Observation and prediction of wo	9/10/2014	Predictive Geosciences Division	Approved
NETL-PUB-1087	Hydraulic Aperture Reduction of Shale Fractures Due to Mechanical Stressing, with Characterization c	9/10/2014	Predictive Geosciences Division	Approved
NETL-PUB-1086	Experimental Evaluation of the Change in Fracture Geometry and Permeability Due to Shearing	9/10/2014	Predictive Geosciences Division	Approved
NETL-PUB-1085	Examining void distributions in foamed cement	9/10/2014	Predictive Geosciences Division	Approved
NETL-PUB-1084	MIXED SOLID SORBENTS FOR CO2 CAPTURE TECHNOLOGIES: Theoretical PredictionS AND EXPERIMEN	9/8/2014	Molecular Science Division	Approved
NETL-PUB-1083	Study of Fluorine Substituted Phenyl Based Complex as 3V-electrolyte for Mg batteries	9/8/2014	Molecular Science Division	Approved
NETL-PUB-1082	The interaction of CO2/brine/rock under CO2 sequestration conditions	9/8/2014	Predictive Geosciences Division	Approved
NETL-PUB-1081	Effects of CO2 on subsurface microbial communities for a saline storage site, an EOR site, and a fresh	9/8/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1080	Effect of CO2 Concentration on a Microbial Community from Freshwater Aquifer Samples under a Sin	9/8/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1079	Kick Detection at the Bit - Early Detection via Low Cost Monitoring	9/5/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1078	Geophysical Signatures for Low Porosity Can Mimic Natural Gas Hydrates: An Example from Alaminos	9/5/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1077	Organic compounds in produced waters: A qualitative comparison of field samples and laboratory stu	9/5/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1076	Shutdown and Startup Studies of a Combined Cycle using a Simulator	9/5/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1073	Engineering the Solid Oxide Fuel Cell Electrocatalyst Infiltration Technique for Industrial Use	8/29/2014	Thermal Science Division	Approved
NETL-PUB-1072	Approach to Screening-Level Assessment of Economic Performance of CO2 Storage and Enhanced Ga	8/28/2014	Predictive Geosciences Division	Approved
NETL-PUB-1071	Atomically Precise Au25 Clusters for Electrocatalytic CO2 Conversior	8/26/2014	Molecular Science Division	Approved
NETL-PUB-1071	Atomically Precise Au25 Clusters for Electrocatalytic CO2 Conversior	8/26/2014	Molecular Science Division	Approved
NETL-PUB-1070	Solid Oxide Fuel Cell Development in the Office of Research and Development at the National Energy	8/25/2014	Thermal Science Division	Approved
NETL-PUB-1069	Coupled Fluid Flow and Geomechanical Modeling of Storage of CO2 in a Depleted Shale Gas Reservoi	8/22/2014	Predictive Geosciences Division	Approved
NETL-PUB-1067	Assessment of Foamed Cement Systems used in Deep Offshore Wells	8/21/2014	Materials Characterization Division	Approved
NETL-PUB-1067	Experimental Characterization of Marcellus Shale Outcrop Samples, and their Interactions with Carbc	8/21/2014	Predictive Geosciences Division	Approved
NETL-PUB-1066	Surface characterization of nanoparticle-incorporated thin film oxides in support of gas sensor develc	8/20/2014	Molecular Science Division	Approved
NETL-PUB-1066	Surface characterization of nanoparticle-incorporated thin film oxides in support of gas sensor develc	8/20/2014	Molecular Science Division	Approved
NETL-PUB-1065	U.S. DOE Carbon Capture Simulation Initiative: Advanced Computational Tools for Optimization and C	8/20/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1064	Numerical simulation of porosity and permeability evolution of Mount Simon sandstone under geolo	8/18/2014	Predictive Geosciences Division	Approved
NETL-PUB-1062	Constitutive Equation for Heat Transfer Caused by Mass Transfe	8/11/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1061	Nano-Structured Noble Metal Catalysts for Hydrocarbon Reforming: Innovations in Distributed Fuel P	8/7/2014	Molecular Science Division	Approved
NETL-PUB-1060	US-UK Collaboration on Fossil Energy Advanced Materials: Task 2—Materials for Advanced Boiler anc	8/5/2014	Structural Materials Development Division	Approved
NETL-PUB-1059	US-UK Collaboration on Fossil Energy Advanced Materials: Task 1—Steam Oxidation (NETL-US	8/5/2014	Structural Materials Development Division	Approved
NETL-PUB-1058	A New Critical State Model for Geomechanical Behavior of Methane Hydrate-Bearing Sand:	7/30/2014	Predictive Geosciences Division	Approved
NETL-PUB-1057	Development of laser induced breakdown spectroscopy (LIBS) sensor for downhole applications in ca	7/30/2014	Materials Characterization Division	Approved
NETL-PUB-1055	Numerical simulation of film flow over an inclined plate: effects of solvent properties and contact ang	7/29/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1054	Methods for Finding Legacy Wells in Residential and Commercial Areas	7/29/2014	Engineered Natural Systems Division	Approved

NETL-PUB-1053	GEOMECHANICAL BEHAVIORS OF LABORATORY-FORMED NON-CEMENTING HYDRATE BEARING SEDII	7/28/2014	Predictive Geosciences Division	Approved
NETL-PUB-1052	Impacts of hydrate pore habit on physical properties of hydrate bearing sediment:	7/28/2014	Predictive Geosciences Division	No record
NETL-PUB-1051	CO2 Adsorption: Experimental Investigation and CFD Reactor Model Validatior	7/28/2014	Energy Process Innovation Division	Approved
NETL-PUB-1050	A Geochemical Model for the Alkali Silica Reactior	7/25/2014	Office of Research & Development - Level 1	No record
NETL-PUB-1049	Thermodynamic and Kinetic Analyses of the CO2 Chemisorption Mechanism on Na2TiO3; Experiment	7/22/2014	Molecular Science Division	Approved
NETL-PUB-1048	Optical waveguide modeling of conducting metal oxide enabled evanescent wave absorption spectro	7/21/2014	Thermal Science Division	Approved
NETL-PUB-1046	Review of the Petroleum System for the Deepwater & Ultra-Deepwater Gulf of Mexicc	7/10/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1045	A Review of the Two Most Deleterious Oil Spill Events in the United State:	7/10/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1045	A Review of the Two Most Deleterious Oil Spill Events in the United State:	7/10/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1044	Integrated Chemo-Stratigraphic Characterization and Biogenic Evaluation of Organic Shale - Final Rep	7/1/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1043	Adventures in Groundwater Monitoring: Approaches for Shale Gas Development Site:	6/30/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1042	A Slag Management System for Extending Gasification Refractory Liner Service Life	6/27/2014	Structural Materials Development Division	Approved
NETL-PUB-1041	Investigation of Pt-based Sensor Failure Induced by Phosphorous Gase:	6/26/2014	Structural Materials Development Division	Approved
NETL-PUB-1040	Thermogravimetry Analysis in Chemical Looping Gasification and Combustion of Coal:	6/25/2014	Energy Process Innovation Division	Approved
NETL-PUB-1039	Mitigation of degradation associated with elevated steam content in SOFC cathode oxidant by surfac	6/24/2014	Thermal Science Division	Approved
NETL-PUB-1038	Evolving Water Management Practices in Shale Oil & Gas Development	6/19/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1037	Formation of Carbonaceous Nano-Layers under High Interfacial Pressures during Lubrication with Mir	6/16/2014	Molecular Science Division	Approved
NETL-PUB-1036	La-doped SrTiO3 films for optical sensing applications in extreme environment:	6/13/2014	Functional Materials Development Division	Approved
NETL-PUB-1035	Correlated perovskite films for optical sensing applications in extreme environment:	6/13/2014	Functional Materials Development Division	Approved
NETL-PUB-1034	Development of Fiber Optic Sensors for Downhole pH Measurement	6/13/2014	Functional Materials Development Division	Approved
NETL-PUB-1033	High-Throughput Method for Strontium Isotope Analysis by Multi-Collector-Inductively Coupled Plasr	6/10/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1032	Simulation of Diffusion in FCC NiFe Binary Alloys Using Kinetic Monte Carlc	6/10/2014	Molecular Science Division	Approved
NETL-PUB-1031	Viscosity of Hydrocarbons and Hydrocarbon Mixtures at Extreme Condition:	6/5/2014	Energy Process Innovation Division	Approved
NETL-PUB-1030	Development of High-Pressure High-Temperature Crude Oil Equation of State	6/5/2014	Energy Process Innovation Division	Approved
NETL-PUB-1029	A simple low temperature synthesis of nanostructured vanadium nitride for supercapacitor applicatic	5/30/2014	Functional Materials Development Division	Approved
NETL-PUB-1028	CVD derived vanadium oxide nano-sphere-carbon nanotube (CNT) nano-composite hetero-structures	5/30/2014	Functional Materials Development Division	Approved
NETL-PUB-1027	Neutron Diffraction and Electrochemical Studies of Na0.79CoO2 and Na0.79Co0.7Mn0.3O2 Cathodes	5/30/2014	Functional Materials Development Division	Approved
NETL-PUB-1025	Monitoring plasma treatment of thin films by surface plasmon resonance	5/30/2014	Functional Materials Development Division	Approved
NETL-PUB-1024	Porous Spherical Carbon/Sulfur Nanocomposites by Aerosol- Assisted Synthesis: The Effect of Pore St	5/30/2014	Functional Materials Development Division	Approved
NETL-PUB-1023	Microwave Approach to Sn/Graphene Composite Anodes for Lithium-Ion Batteries	5/30/2014	Functional Materials Development Division	Approved
NETL-PUB-1022	Electrochemical studies of lanthanum ruthenates towards the oxygen evolution reaction in alkaline m	5/30/2014	Functional Materials Development Division	Approved
NETL-PUB-1021	Effect of Al and Mg doping on the electrochemical performance of pure Li2MnO3	5/30/2014	Functional Materials Development Division	Approved
NETL-PUB-1020	Non-graphitizable carbons for Na-ion battery	5/30/2014	Functional Materials Development Division	Approved
NETL-PUB-1019	A numerical simulation approach to evaluate the performance of pressure and tracer monitoring for	5/27/2014	Predictive Geosciences Division	Approved
NETL-PUB-1018	Improvements in Exergetic Efficiency in High-Temperature Oxyfuel Combined Cycle System:	5/23/2014	Thermal Science Division	Approved
NETL-PUB-1017	Decomposition Kinetics of Nickel (II) Hydroxide Powder	5/21/2014	Materials Characterization Division	Approved
NETL-PUB-1016	Sour Environment Temperature Effects on Fatigue Crack Propagation in Ultra-high Strength Low Alloy	5/20/2014	Structural Materials Development Division	Approved
NETL-PUB-1014	Geochemical Reactions between Marcellus Shale and Hydraulic Fracturing Fluids: Evaluating Shale Re	5/20/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1013	Organic Compounds in Produced Waters: A Qualitative Comparison of Field Samples and Laboratory	5/20/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1012	Impact of Temperature and Oxygen Partial Pressure on Aluminum Phosphate in High Chrome Oxide F	5/19/2014	Structural Materials Development Division	Approved
NETL-PUB-1011	Pore-scale investigation on compaction-dependent characteristics of granular packs and their impact	5/19/2014	Predictive Geosciences Division	Approved
NETL-PUB-1010	Development of Solids Flow Sensor Technology for Chemical Looping	5/15/2014	Thermal Science Division	Approved
NETL-PUB-1009	Computational analysis of biomass particles in a bubbling bec	5/13/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1008	Results from NETL's Marcellus Test Site in Greene County, PA	5/12/2014	Engineered Natural Systems Division	Approved
NETL-PUB-1007	Laboratory analysis of granular materials properties, size distributions, chemical and mineralogical co	5/5/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1003	DETERMINATION OF STICKING PROBABILITY BASED ON THE CRITICAL VELOCITY DERIVED FROM A VIS	5/5/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1003	DETERMINATION OF STICKING PROBABILITY BASED ON THE CRITICAL VELOCITY DERIVED FROM A VIS	5/5/2014	Computational Science and Engineering Division	Approved

NETL-PUB-1002	Hierarchical Calibration and Validation of High-fidelity CFD Models with C2U Experiments	5/5/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1001	UNSTEADY CFD SIMULATION OF HEMATITE REDUCTION BY METHANE IN A BUBBLING FLUIDIZED BED	5/2/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1001	UNSTEADY CFD SIMULATION OF HEMATITE REDUCTION BY METHANE IN A BUBBLING FLUIDIZED BED	5/2/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1000	NUMERICAL STUDY OF GAS-SOLID FLUIDIZED BED DYNAMICS WITH DIFFERENT DISTRIBUTOR DESIGN	5/2/2014	Computational Science and Engineering Division	Approved
NETL-PUB-1000	NUMERICAL STUDY OF GAS-SOLID FLUIDIZED BED DYNAMICS WITH DIFFERENT DISTRIBUTOR DESIGN	5/2/2014	Computational Science and Engineering Division	Approved
A-NETL-PUB-115	Direct Measurement of Polysulfide Shuttle Current: A Window into Understanding the Performance (	6/23/2015	Thermal Science Division	
A-NETL-PUB-114	Transfer function development for control of cathode airflow transients in fuel cell gas turbine hybrid	6/23/2015	Thermal Science Division	
A-NETL-PUB-113	Evaluation of Cathode Air Flow Transients in a SOFC/GT Hybrid System Using Hardware in the Loop Si	6/23/2015	Thermal Science Division	
A-NETL-PUB-112	Production of pure hydrogen and synthesis gas with Cu-Fe oxygen carriers using combined processes	6/23/2015	Functional Materials Development Division	
A-NETL-PUB-111	Localized Surface Plasmon Resonance in Au Nanoparticles Embedded dc Sputtered ZnO Thin Films	6/23/2015	Thermal Science Division	
A-NETL-PUB-110	Control Impacts of Cold-Air Bypass on Pressurized Fuel Cell Turbine Hybrids	6/23/2015	Thermal Science Division	
A-NETL-PUB-108	Influence of biochar application methods on the phytostabilization of a hydrophobic soil contaminate	6/23/2015	Engineered Natural Systems Division	
A-NETL-PUB-107	SOFC Lifetime Assessment in Gas Turbine Hybrid Power Systems	6/22/2015	Thermal Science Division	
A-NETL-PUB-106	Scaling and Corrosion Potentials of Cooling-System Source Waters	6/22/2015	Engineered Natural Systems Division	
A-NETL-PUB-105	Dynamic morphology of gas hydrate on a methane bubble in water: Observations and new insights fc	6/22/2015	Predictive Geosciences Division	
A-NETL-PUB-104	Fuel Composition Transients in Fuel Cell Turbine Hybrid for Polygeneration Applications	6/22/2015	Molecular Science Division	
A-NETL-PUB-103	Fuel Composition Transients in Fuel Cell Turbine Hybrid for Polygeneration Applications	6/22/2015	Thermal Science Division	
A-NETL-PUB-102	Nonlinear Fuel Cell-Gas Turbine Balance of Plant Simulation Facility	6/22/2015	Thermal Science Division	
NETL-PUB-1	Characterization of the Physical Properties for Solid Granular Materials	4/24/2012	Computational Science Division	Approved
NETL-PUB-10	Multiple Model Predictive Control of Air Separation Unit As Part of IGCC Power Plant During Rapid Lo	5/4/2011	Computational Science Division	Approved
NETL-PUB-100	Algific Talus Slopes in Iowa's Paleozoic Plateau and the Central Appalachians	7/28/2011	Geosciences Division	Approved
NETL-PUB-101	DISSOLVED CARBON DIOXIDE IN THERMAL SPRINGS IN SWEET CREEK VALLEY, NEAR GAP MILLS, WV	7/28/2011	Geosciences Division	Approved
NETL-PUB-102	OBSERVATIONS ON THE KARST AND MINERAL WATERS OF VIRGINIA AND WEST VIRGINIA – 177 YEAR	7/28/2011	Geosciences Division	Approved
NETL-PUB-103	USE OF HYDROGEL TRACER BEADS TO BETTER UNDERSTAND CONTAMINANT FATE AND TRANSPORT i	7/28/2011	Geosciences Division	Approved
NETL-PUB-104	USING STABLE ISOTOPES TO TRACK SOURCES AND FATE OF CARBON in HIGH CO2 NATURAL ANALOG	7/29/2011	Geosciences Division	Approved
NETL-PUB-11	Application of Model Predictive Control for Rapid Combined-Cycle Load Following Using Custom Dyna	5/4/2011	Computational Science Division	Approved
NETL-PUB-115	Letter to Physics Today	8/3/2011	Earth & Mineral Science Division	Approved
NETL-PUB-116	Effect of coal properties and operation conditions on flow behavior of coal slag in entrained flow gasi	8/3/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-117	Carbon Dioxide Mineralization of Industrial Products	8/3/2011	Process Development Division	Approved
NETL-PUB-118			Earth & Mineral Science Division	Approved
NETL-PUB-119	Role of Lithology in Methane Flux from an Alaskan Thermokarst Lake	8/3/2011	Earth & Mineral Science Division	Approved
NETL-PUB-12	Constrained Nonlinear State Estimation of an Acid Gas Removal Process as part of an Integrated Gasi	5/4/2011	Computational Science Division	Approved
NETL-PUB-120	Brine Distribution and Chemistry in the Appalachian Basin and Its Potential Impact on Gas Developme	8/4/2011	Earth & Mineral Science Division	Approved
NETL-PUB-121	Geochemical Variations Associated with Stratigraphy of the Marcellus Shale in the Appalachian Basin	8/4/2011	Earth & Mineral Science Division	Rejected
NETL-PUB-122	STABLE ISOTOPE FINGERPRINTING OF CO-PRODUCED WATERS ASSOCIATED WITH MARCELLUS SHALE	8/4/2011	Geosciences Division	Approved
NETL-PUB-123	X-Ray Computed-Tomography Imaging of Preferential Mode of Gas Migration through Water-Saturat	8/8/2011	Earth & Mineral Science Division	Approved
NETL-PUB-124	Video Analysis Techniques that Accurately Estimated Oil Leak Rates during the Deepwater Horizon Cr	8/10/2011	Computational Science Division	Approved
NETL-PUB-125	Insights into the structural function of the complex of HIV-1 protease with TMC-126: Molecular dynai	8/11/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-126	Effect of Biomass Blending on Oxy-Fuel Coal Combustion	8/12/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-126	Effect of Biomass Blending on Oxy-Fuel Coal Combustion	8/12/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-127	In-situ Investigation of Phase Evolution in Nanocrystalline (Co97.5Fe2.5)89Zr7B4 Alloy by High Tempe	8/22/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-128	High Temperature XRD Determination of the BCC-FCC Transformation Temperature in (Fe70Ni30)88Z	8/22/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-129	Nanocomposite Alloy Design for High Frequency Power Conversion Applications	8/22/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-13	Advanced Virtual Energy Simulation, Training, and Research: IGCC with CO2 Capture Power Plant	5/5/2011	Computational Science Division	Approved
NETL-PUB-130	Transition metal Oxide/Carbon Nanotube Heterostructures for Supercapacitor Applications	8/22/2011	Materials Performance Division	Approved
NETL-PUB-131	Structural Studies on NaFePO4 as a Cathode Material for Na+/Li+ Mixed-Ion Batteries	8/22/2011	Materials Performance Division	Approved
NETL-PUB-132	Magnetic characteristics of a new cubic defect spinel Li0.5Mg0.5MnO3 for Li-ion batteries	8/23/2011	Materials Performance Division	Approved

NETL-PUB-133	Magnetic characteristics of a new cubic defect spinel Li0.5Mg0.5MnO3 for Li-ion batterie:	8/23/2011	Materials Performance Division	Approved
NETL-PUB-134	Dissipation of Translational Energy During Non-Spherical Particle Wall Collisions as Related to Entrain	8/25/2011	Computational Science Division	Approved
NETL-PUB-135	Advanced Virtual Energy Simulation, Training, and Research: IGCC with CO2 Capture Power Plant	8/25/2011	Computational Science Division	
NETL-PUB-136	Load-Following Control of an IGCC Plant with CO2 Capture	8/25/2011	Computational Science Division	Approved
NETL-PUB-137	AVESTAR Center for Operational Excellence of Clean Energy Plants	8/26/2011	Computational Science Division	Approved
NETL-PUB-138	Marcellus Shale Gas Production and the Environment	8/26/2011	Earth & Mineral Science Division	Approved
NETL-PUB-139	Use of exhaust gas recirculation as a control approach for thermoacoustic instabilitie:	9/2/2011	Energy System Dynamics Division	Approved
NETL-PUB-14	Marcellus Shale Gas Production and the Environment	5/5/2011	Earth & Mineral Science Division	Approved
NETL-PUB-140	Mathematical Modeling of a Single-Stage, Downward-Firing, Entrained-Flow Gasifier	9/6/2011	Computational Science Division	Approved
NETL-PUB-141	Steady-State Modeling of a Single-Stage, Downward-Firing, Entrained-Flow Gasifier	9/7/2011	Computational Science Division	Approved
NETL-PUB-142	Gas Permeation Carbon Capture – Process Modeling and Optimizatior	9/7/2011	Computational Science Division	Approved
NETL-PUB-143	Modelling of Circulating Fluidised Beds for Post-Combustion Carbon Capture	9/7/2011	Computational Science Division	Approved
NETL-PUB-144	A Model for the Adsorption Kinetics of CO2 on Amine-Impregnated Mesoporous Sorbents in the Pres	9/7/2011	Computational Science Division	Approved
NETL-PUB-145	A Computational Methodology for Learning Low-Complexity Surrogate Models of Processes From Exp	9/7/2011	Computational Science Division	Approved
NETL-PUB-146	Optimization of Carbon Capture Systems Using Surrogate Models of Simulated Processes	9/7/2011	Computational Science Division	Approved
NETL-PUB-147	Development of Moving Bed Simulation Model for Carbon Capture From Fossil Energy Systems.em	9/7/2011	Computational Science Division	Approved
NETL-PUB-148	Economic Analysis of Municipal Wastewater Utilization for Thermoelectric Power Productior	9/7/2011	Computational Science Division	Approved
NETL-PUB-149	Effect of Makeup Water Properties On the Condenser Fouling In Power Plant Cooling System	9/7/2011	Computational Science Division	Approved
NETL-PUB-15	Force Field Development for Simulations of CO2 in Ionic Liquids	5/9/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-150	Synthesis of Optimal Adsorptive Carbon Capture Processes	9/7/2011	Computational Science Division	Approved
NETL-PUB-151	Molten catalytic coal gasification for methane rich syngas	9/6/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-152	Operation of a Solid Oxide Fuel Cell on Reformed Biodiese	9/9/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-153	Raman spectroscopic characterization of natural montmorillonite after exposure to CO2 at elevated t	9/14/2011	Geosciences Division	Approved
NETL-PUB-154	In-situ and Ex-situ Optical and Structural Characterizationof TiO2 and Au Nanoparticle Incorporated T	9/14/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-154	In-situ and Ex-situ Optical and Structural Characterizationof TiO2 and Au Nanoparticle Incorporated T	9/14/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-155	Materials and Component Development for Advanced Power Generation Applications	9/19/2011	Energy System Dynamics Division	Approved
NETL-PUB-156	Modeling the Mechanics of Drilling Bit	9/19/2011	Earth & Mineral Science Division	Approved
NETL-PUB-157	Comparison Between Equilibrium and Kinetic Models for Methane Hydrate Dissociatior	9/19/2011	Earth & Mineral Science Division	Approved
NETL-PUB-158	CFD Modeling and Simulations: Horizontal Deep Drilling Process and Filter Cake Formatior	9/19/2011	Earth & Mineral Science Division	Approved
NETL-PUB-159	Filter Cake Formation on the Vertical Well at High Temperature and High Pressure: Computational Flu	9/19/2011	Earth & Mineral Science Division	Approved
NETL-PUB-16	Force Field Development for Simulations of CO2 in Ionic Liquids	5/9/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-160	Comparison between Equilibrium and Kinetic Models for Methane Hydrate Dissociatior	9/19/2011	Earth & Mineral Science Division	Approved
NETL-PUB-161	High Temperature Film Cooling Test Facility and Preliminary Results	9/19/2011	Energy System Dynamics Division	Approved
NETL-PUB-162	Summary of Inorganic Compositional Data for Groundwater, Soil-Water, and Surface-Water Samples	9/19/2011	Environmental Science Division	Approved
NETL-PUB-163	Review of Gasification Technologies	9/22/2011	Computational Science Division	
NETL-PUB-164	Laser Spark Plug Numerical Design Process with Experimental Validatior	9/23/2011	Energy System Dynamics Division	Approved
NETL-PUB-165	High-Methane Molten Catalytic Coal Gasifier for SOFC Power Plants	9/26/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-166	Oxide-based reforming catalyst evaluation and development	9/26/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-167	Introduction to fuel processing, in: Fuel Cells: Technologies for Fuel Processing	9/26/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-168	Nonconventional Reforming methods	9/26/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-169	Fuel Cells: Technologies for Fuel Processing	9/26/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-169	Fuel Cells: Technologies for Fuel Processing	9/26/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-17	Design, Construction and Operation of a Pilot Scale Integrated Pollutant Removal (IPR) Process for Ox	5/10/2011	Process Development Division	Approved
NETL-PUB-170	Catalytic partial oxidation	9/26/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-170	Catalytic partial oxidation	9/26/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-171	Optical Emission Spectroscopy for CO2 Dissociation using a Dielectric Barrier Discharge (VADER	9/26/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-172	Dissociation using a Catalytic Dielectric Barrier Discharge, 20th International Symposium on Plasma C	9/26/2011	Separations & Fuels Processing Division	Approved

NETL-PUB-173	Plasma Reforming for H2-rich synthesis gas	9/26/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-173	Plasma Reforming for H2-rich synthesis gas	9/26/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-174	Rhodium-Modified Pyrochlore Catalysts for Syn-Gas Productior	9/26/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-175			Separations & Fuels Processing Division	Approved
NETL-PUB-176	Diesel Reforming Catalytic Kinetics - Experimental Results and Model Developmen	9/26/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-177	Kinetics of Apparent Kinetics Study for Reforming of Diesel Surrogate	9/26/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-178	Fuel Reforming: Challenges for Catalytic Processes to Produce H2-rich Reformate from Liquid Fuel:	9/26/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-179	CO2 gradient affects on deep subsurface microbial ecology during carbon sequestratior	9/27/2011	Environmental Science Division	Approved
NETL-PUB-18	CO2 Capture by Integrated Pollutant Removal	5/10/2011	Process Development Division	Approved
NETL-PUB-180	Materials Performance in USC Steam	9/28/2011	Materials Performance Division	Approved
NETL-PUB-181	Task 1—Steam Oxidation (NETL-US)	9/28/2011	Materials Performance Division	Approved
NETL-PUB-182	Task 2—Materials for Advanced Boiler and Oxy-combustion Systems (NETL-US)	9/28/2011	Materials Performance Division	Approved
NETL-PUB-183	Fireside Corrosion in Oxy-Fuel Combustion of Coa	9/28/2011	Materials Performance Division	Approved
NETL-PUB-184	Fireside Corrosion	9/28/2011	Materials Performance Division	Approved
NETL-PUB-185	Task 1—Steam Oxidation (NETL-US)	9/28/2011	Materials Performance Division	Approved
NETL-PUB-186	Task 2—Materials for Advanced Boiler and Oxy-combustion Systems (NETL-US)	9/28/2011	Materials Performance Division	Approved
NETL-PUB-187	Tracking Changes in the SMT with Magnetic Susceptibility in Gas Hydrate Bearing Stratigraphy	10/4/2011	Earth & Mineral Science Division	Approved
NETL-PUB-188	Oxidative steam reforming	10/5/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-189	Application of laser induced breakdown spectroscopy for carbon quantification in soil sample	10/5/2011	Geosciences Division	Approved
NETL-PUB-19	CO2 utilization by Solar assisted Photo-electrochemical methods	5/16/2011	Energy System Dynamics Division	Approved
NETL-PUB-190	Determination of elemental impurities in plastic calibration standards using laser induced breakdown	10/5/2011	Geosciences Division	Approved
NETL-PUB-191	Continuum Representation of a Continuous Size Distribution of Particles engaged in Rapid Granular F	10/6/2011	Computational Science Division	Approved
NETL-PUB-192	Field testing the Raman gas composition sensor for gas turbine operatior	10/11/2011	Energy System Dynamics Division	Approved
NETL-PUB-193	The effect of phosphate additions on the microstructure and performance of Cr2O3 gasifier refractor	10/12/2011	Materials Performance Division	Rejected
NETL-PUB-194			Separations & Fuels Processing Division	Approved
NETL-PUB-195	Materials Performance in USC Steam	10/13/2011	Materials Performance Division	Approved
NETL-PUB-196	Review of Gasification Technologies	10/14/2011	Computational Science Division	Rejected
NETL-PUB-198	Fireside Corrosion	10/14/2011	Materials Performance Division	Approved
NETL-PUB-199	Materials Performance in USC Steam	10/14/2011	Materials Performance Division	Approved
NETL-PUB-2	Fine-Grid Simulations of Gas-Solids Flow In a Circulating Fluidized Bec	5/2/2011	Computational Science Division	Approved
NETL-PUB-200	CO2 capture via potassium carbonate/MEA solution	10/19/2011	Geosciences Division	Approved
NETL-PUB-201	Reactivity of coal and biomass blends in oxy-co-firing	10/19/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-202	Impact of Coal and Operating Conditions on Coal Slag Flow Behavior in Gasifiers	10/19/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-203	Measurement of Flame Frequency Response Functions Under Exhaust Gas Recirculation Condition:	10/20/2011	Energy System Dynamics Division	Approved
NETL-PUB-204	Flow Behavior of Nanoparticle Stabilized Drilling Fluids and Effect of High Temperature Aging	10/20/2011	Environmental Science Division	Approved
NETL-PUB-205	Optimizing Drilling Parameters: A Preliminary Mode	10/24/2011	Earth & Mineral Science Division	Rejected
NETL-PUB-206	Catalytic dry reforming of methane over Ni-substituted hexaaluminates	10/25/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-207	EFFECTS OF CERIA COATINGS ON MATERIALS PERFORMANCE OF 430 STEEL IN COAL SYNTHETIC GAS	10/25/2011	Materials Performance Division	Approved
NETL-PUB-208	Fireside Corrosion in Oxy-fuel Combustion of Coa	10/25/2011	Materials Performance Division	Approved
NETL-PUB-209	Theoretical Predictions of the Thermodynamic Properties of Solid Sorbents for CO2 Capture Reaction	10/31/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-21	Fuel-flexible oxyfuel combustion: Overview of NETL-ORD research	5/18/2011	Process Development Division	Approved
NETL-PUB-210	Amino-Acid Related Sorbents for CO2 Capture Applications	10/31/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-211	Density-Functional Study of the Low-Index Faces of the Catalytic Host La2Zr2O7	11/1/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-214	Syn-gas generation in the absence of oxygen and isotopic exchange reactions over Rh & Pt doped-cer	11/15/2011	Energy System Dynamics Division	Rejected
NETL-PUB-215	Hydrogen production by methane decomposition and catalytic partial oxidation of methane over Pt/(	11/15/2011	Energy System Dynamics Division	Rejected
NETL-PUB-216	Catalytic partial oxidation of methane and isotopic oxygen exchange reactions over 18O labeled Rh/C	11/15/2011	Energy System Dynamics Division	Rejected
NETL-PUB-217	CO2 Electrochemical Reduction via Adsorbed Halide Anions	11/15/2011	Energy System Dynamics Division	Rejected

NETL-PUB-218	Gasifier Refractories, Coal Slags, and Their Interactior	11/15/2011	Materials Performance Division	Approved
NETL-PUB-219	Effect of Electrolyte on the Electrochemical Reduction of CO2	11/15/2011	Energy System Dynamics Division	Rejected
NETL-PUB-220	CO2-Brine-Caprock Interaction: Reactivity Experiments on Eau Claire Shale and a Review of Relevant	11/15/2011	Geosciences Division	Approved
NETL-PUB-221	Preliminary Experimental Investigation of the Effects of Particulate Deposition on IGCC Turbine Film-	11/17/2011	Energy System Dynamics Division	Approved
NETL-PUB-222			Materials Performance Division	Approved
NETL-PUB-223	Influence of sulfur poisoning on CO adsorption on Pd(100)	12/1/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-223	Influence of sulfur poisoning on CO adsorption on Pd(100)	12/1/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-225	Direct versus hydrogen assisted CO dissociation on metal surfaces	12/1/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-228	Fireside Corrosion in Oxy-Fuel Combustion of Coa	12/2/2011	Materials Performance Division	Approved
NETL-PUB-229	CO2-CH4 Reforming Over Ni-Substituted Barium Hexaaluminate Catalysts	12/5/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-23	Implicit constitutive relations in thermoelasticity	5/24/2011	Computational Science Division	Approved
NETL-PUB-230	Implicit constitutive relations in thermoelasticity	12/5/2011	Computational Science Division	Approved
NETL-PUB-231	A note on unsteady flows of inhomogeneous incompressible fluids	12/5/2011	Computational Science Division	Approved
NETL-PUB-232	A brief review of viscosity models for slag in coal gasificatior	12/5/2011	Computational Science Division	Approved
NETL-PUB-233	A generalization of Reiner's mathematical model for wet sanc	12/5/2011	Computational Science Division	Approved
NETL-PUB-234	Heat Transfer in Complex Fluids	12/5/2011	Computational Science Division	Approved
NETL-PUB-235	Remarks on Constitutive Modeling of Nanofluids	12/5/2011	Computational Science Division	Approved
NETL-PUB-236	Application of the theory of interacting continua to blood flow	12/5/2011	Computational Science Division	Approved
NETL-PUB-237	Modeling and numerical simulation of blood flow using the Theory of Interacting Continua	12/5/2011	Computational Science Division	Approved
NETL-PUB-238	Analytical solutions to Stokes-type flows of inhomogeneous fluids	12/5/2011	Computational Science Division	Approved
NETL-PUB-239	Investigations of Localized Corrosion of Stainless Steel after Exposure to Supercritical CO2	12/6/2011	Materials Performance Division	Approved
NETL-PUB-240	Surface Studies and Electrochemical Corrosion Measurements of HSLA Steel in Supercritical CO2 – H2	12/6/2011	Materials Performance Division	Approved
NETL-PUB-241	Performance of Solid Oxide Fuel Cells Operated with Coal Syngas Provided Directly from a Gasificatio	12/12/2011	Energy System Dynamics Division	Approved
NETL-PUB-242	CO2 Reforming of Hydrocarbon Feedstocks	12/15/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-243	Metallic membrane materials development for hydrogen production from coal derived syngas	12/16/2011	Process Development Division	Approved
NETL-PUB-244	Microstructure and corrosion behavior of the Cu-Pd-X ternary alloys for hydrogen separation membr	12/16/2011	Process Development Division	Approved
NETL-PUB-245			Process Development Division	Approved
NETL-PUB-246	Microstructure and hydrogen transport property of a Mg-doped Cu-Pd alloy	12/16/2011	Process Development Division	Approved
NETL-PUB-247	Effect of hydrogen-sulfide on the performance of a palladium-copper-silver membrane alloy	12/22/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-248	MP-PIC Simulation of CFB Riser with EMMS-based Drag mode	12/22/2011	Computational Science Division	Approved
NETL-PUB-249	Synthesis and electrochemical performance of novel (Ir,Sn,Nb)O2 anode electrocatalyst with reduced	12/29/2011	Materials Performance Division	Canceled
NETL-PUB-25	Computational Studies of Experimentally Observed Structures of Sulfur on Metal Surfaces	5/25/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-250	Ordered bcc phases in a Cu-Pd-Mg hydrogen separation membrane alloy	1/4/2012	Process Development Division	Approved
NETL-PUB-251	Permeability of Coal and Coal-Biomass Mixtures as Feedstocks to Reduce Net Carbon Emissions	1/5/2012	Computational Science Division	Approved
NETL-PUB-252	Standpipe Models for Diagnostics and Control of a Circulating Fluidized Bec	1/5/2012	Computational Science Division	Approved
NETL-PUB-253	Evidence of CO2 intercalation in montmorillonite	1/5/2012	Geosciences Division	Approved
NETL-PUB-254	Novel (Ir,Sn,Nb)O2 anode electrocatalysts with reduced noble metal content for PEM based water ele	1/5/2012	Materials Performance Division	Approved
NETL-PUB-255	Flue Gas Cleanup Using the Moving-Bed Copper Oxide Process	1/6/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-256	Virtually Simulating the Next Generation of Clean Energy Technologies	1/6/2012	Computational Science Division	Approved
NETL-PUB-257	Rigorous Kinetic Modeling, and Optimization, and Operability Study of a Modified Claus Unit for an In	1/6/2012	Computational Science Division	Approved
NETL-PUB-258	AVESTAR Center for Clean Energy Plant Operators of the Future	1/6/2012	Computational Science Division	Approved
NETL-PUB-259	AVESTAR Center for Operational Excellence of Clean Energy Plants	1/6/2012	Computational Science Division	Approved
NETL-PUB-26			Energy System Dynamics Division	Approved
NETL-PUB-260	Grindability Determination of Torrefied Biomass Materials Using the Hybrid Work Index	1/6/2012	Computational Science Division	Approved
NETL-PUB-261	High Resolution Methods for Preserving the Sum of Mass Fractions: Improved Chi-Scheme and an Alt	1/10/2012	Computational Science Division	Approved
NETL-PUB-262	Ultrasonic Detection of Delamination and Material Characterization of Thermal Barrier Coatings	1/11/2012	Energy System Dynamics Division	Approved
NETL-PUB-263	AVESTAR Center: Dynamic Simulation-based Collaboration Toward Achieving Operational Excellence	1/11/2012	Computational Science Division	Approved

NETL-PUB-264	Kinetics of the reduction of CuO/bentonite by methane (CH4) during chemical looping combustior	1/13/2012	Computational Science Division	Approved
NETL-PUB-265	Industrial Carbon Management Initiative: A new National Energy Technology Research Area	1/13/2012	Computational Science Division	Approved
NETL-PUB-266	Equilibrium and Kinetics Analysis of Carbon Dioxide Capture using Immobilized Amine on a Meso-Por	1/17/2012	Computational Science Division	Approved
NETL-PUB-267	CFD simulation of solid-sorbent CO2 absorption in a riser reactor: a parametric analysis of the adsorp	1/20/2012	Computational Science Division	Approved
NETL-PUB-268	Parametric behavior of a CO2 adsorption process: CFD simulation of solid-sorbent CO2 absorption in	1/20/2012	Computational Science Division	Approved
NETL-PUB-268	Theoretical Prediction of the Thermodynamic Properties of Mixed Solid Sorbents Capture CO2 Applic:	1/20/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-27	Book chapter - Development of Shale Gas Resources in the United States for a forthcoming Open Acc	5/26/2011	Earth & Mineral Science Division	Approved
NETL-PUB-270	Simultaneous Methane Conversion and CO2 Capture with Chemical Looping	1/20/2012	Computational Science Division	Approved
NETL-PUB-271	Chemical Looping for Methane Conversion with Simultaneous CO2 Capture for Industrial Application:	1/20/2012	Computational Science Division	Approved
NETL-PUB-272	Selective Adsorption of CO2 from Light Gas Mixtures Using a Structurally Dynamic Porous Coordinatic	1/23/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-273	Synthesis, Characterization, Electronic Structure and Photocatalytic Behavior of CuGaO2 and CuGa1->	1/23/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-274			Materials Performance Division	Approved
NETL-PUB-275	Emergency Shutdown Strategies for Fuel Cell Turbine Hybrids	1/25/2012	Energy System Dynamics Division	Approved
NETL-PUB-275	Emergency Shutdown Strategies for Fuel Cell Turbine Hybrids	1/25/2012	Energy System Dynamics Division	Approved
NETL-PUB-276	Control Strategy for Fuel Cell Turbine Hybrid Emergency Shutdowr	1/25/2012	Energy System Dynamics Division	Approved
NETL-PUB-276	Control Strategy for Fuel Cell Turbine Hybrid Emergency Shutdowr	1/25/2012	Energy System Dynamics Division	Approved
NETL-PUB-277	Simulation of Methane Steam Reforming in a Solid Oxide Fuel Cell for the Prediction of Inlet Freezing	1/25/2012	Energy System Dynamics Division	Approved
NETL-PUB-278	Open-Loop Response of a Fuel Cell Turbine Hybrid to Load Variations	1/25/2012	Energy System Dynamics Division	Approved
NETL-PUB-279	Study of an Ammonia-Based Wet Scrubbing Process in a Continuous Flow System	1/27/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-28	Rapid Formation of Gas Hydrates with the Potential to Separate Lower Concentrated Gases from Nat	5/27/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-280	AVESTAR Center for the Operation and Control of Clean Energy Plants (Pittsburgh		Computational Science Division	Approved
NETL-PUB-281	AVESTAR Center for the Operation and Control of Clean Energy Plants	1/30/2012	Computational Science Division	Approved
NETL-PUB-282	Optical Thin Films for Gas Sensing in Advanced Coal Fired Power Plants	1/31/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-283	Fireside Corrosion	1/31/2012	Materials Performance Division	Approved
NETL-PUB-284	Gasifier Refractories, Coal Slags, and Their Interactior	2/1/2012	Materials Performance Division	
NETL-PUB-285	AVESTAR Center for Operational Excellence of Clean Energy Plants	2/3/2012	Computational Science Division	Approved
NETL-PUB-286	Laser Induced breakdown spectroscopy (LIBS): A potential tool for atmospheric carbon dioxide measu	2/6/2012	Geosciences Division	Approved
NETL-PUB-287	Application of Laser Induced Breakdown Spectroscopy (LIBS) in carbon sequestration research and de	2/6/2012	Geosciences Division	Approved
NETL-PUB-288	Potential Geologic Co-Sequestration of CO2-O2 : Alteration in Class H Portland Cement	2/7/2012	Process Development Division	Approved
NETL-PUB-289	Advances in Geological Co2 Sequestration and Co-sequestratior	2/7/2012	Process Development Division	Approved
NETL-PUB-29	The successful development of shale gas resources in the United States	5/27/2011	Earth & Mineral Science Division	Approved
NETL-PUB-290	MICROBIOLOGICAL CHARACTERIZATION OF A BASALTIC SYSTEM TARGETED FOR GEOLOGICAL SEQUE	2/7/2012	Process Development Division	Approved
NETL-PUB-291	Class H Portland Cement Paste with CO2 Alteration Zones and the Influence of Brine	2/7/2012	Process Development Division	Approved
NETL-PUB-292	Optimization of Water Use and Cost of Electricity for an MEA Carbon Capture Process	2/9/2012	Computational Science Division	Approved
NETL-PUB-293	Toward rigorous heat integration tools for coal-fired power plants with CO2 capture and compressior	2/9/2012	Computational Science Division	Approved
NETL-PUB-294	Evaluation of chemical looping process with simulated synthesis gas from stream gasification of coal	2/9/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-295	Evaluation of methane CLC on bi-metallic oxygen carriers	2/9/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-296	Shale Gas Production and the Environment	2/13/2012	Earth & Mineral Science Division	Approved
NETL-PUB-297	Sol-gel Prepared Nanocomposite Au / TiO2 Thin Films for Localized Surface Plasmon Based Optical Ga	2/14/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-298	Imaging artifacts of gas hydrate	2/15/2012	Earth & Mineral Science Division	Approved
NETL-PUB-299	Incorporation of promoters to enhance the oxygen capacity and reaction rates of iron oxide oxygen c	2/15/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-30	Density functional theory study of the structural, electronic, lattice dynamical, and thermodynamic p	5/31/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-300	TRACKING CHANGES IN THE SMT WITH MAGNETIC SUSCEPTIBILITY IN GAS HYDRATE BEARING STRATI	2/15/2012	Earth & Mineral Science Division	Approved
NETL-PUB-301	Sorbents for Gasification Processes	2/17/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-302	Simulation to Train Operators to Safely Operate Advanced Energy Plants	2/17/2012	Computational Science Division	Approved
NETL-PUB-303	Nanocomposite Alloy Design for High Frequency Power Conversion Applications	2/20/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-304	AVESTAR Center for Operational Excellence of IGCC Power Plants with CO2 Capture	2/21/2012	Computational Science Division	Approved

NETL-PUB-305	Long-term stability of SOFC composite cathode activated by electrocatalyst infiltratior	2/21/2012	Energy System Dynamics Division	Approved
NETL-PUB-306	Risk Assessment for the Development of Shale Gas Resources in the United State:	2/22/2012	Earth & Mineral Science Division	Approved
NETL-PUB-307	Phase field simulation of twin boundary fractions in fully lamellar TiAl alloy:	2/22/2012	Materials Performance Division	Approved
NETL-PUB-308	Utilizing Optical Measurements to Characterize Metal Oxide Thin Films for Gas Sensing in Advanced C	2/22/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-309	Study of Mineral Surface Interactions Related to Possible Contamination of Groundwater by Toxic Me	2/28/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-31	EFFICIENT THEORETICAL SCREENING OF SOLID SORBENTS FOR CO2 CAPTURE APPLICATIONS	6/1/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-310	Analysis of Non-Symmetrical Behavior of Two Parallel Gas Turbine Recuperator:	2/28/2012	Energy System Dynamics Division	Approved
NETL-PUB-311	EVALUATION OF METHODS FOR THERMAL MANAGEMENT IN A COAL-BASED SOFC TURBINE HYBRID T	2/28/2012	Energy System Dynamics Division	Approved
NETL-PUB-312	Bubbling Fluidized Bed Characterization using Electrical Capacitance Volume Tomography (ECVT	3/2/2012	Energy System Dynamics Division	Approved
NETL-PUB-313	Coal lithotypes before, during, and after exposure to CO2; Insights from direct FTIR investigatior	3/2/2012	Geosciences Division	Approved
NETL-PUB-314	Pore scale characterization of undisturbed natural hydrate bearing sediments: Utilizing micro x-ray C	3/6/2012	Earth & Mineral Science Division	Approved
NETL-PUB-315	Pre-combustion Capture of CO2 from Power Generation	3/6/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-316	Investigation of transport and mechanical properties of hollow fiber membranes containing ionic liqu	3/7/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-318	Efficient Theoretical Screening of Solid Sorbents for CO2 Capture Application:		Chemistry & Surface Science Division	Approved
NETL-PUB-319	Mechanical and Transport Characteristics of Coal-Biomass Mixtures for Advanced IGCC System:	3/12/2012	Computational Science Division	Approved
NETL-PUB-32	CCSI and the role of advanced computing in accelerating the commercial deployment of carbon captu	6/2/2011	Computational Science Division	Approved
NETL-PUB-32	CCSI and the role of advanced computing in accelerating the commercial deployment of carbon captu	6/2/2011	Computational Science Division	Approved
NETL-PUB-320	The Distribution of Naturally Occurring Radioactive Elements in the Devonian Age Sediments of the A	3/13/2012	Earth & Mineral Science Division	Approved
NETL-PUB-321	NFFLOW: A Reservoir Simulator Incorporating Explicit Fractures	3/15/2012	Geosciences Division	Approved
NETL-PUB-322	Optical Fiber Evanescent Absorption Sensor Design for High Temperature Gas Sensing in Advanced Cc	3/15/2012	Energy System Dynamics Division	Approved
NETL-PUB-323	Progress in Gas Hydrate Research and Development in the United States	3/21/2012	Earth & Mineral Science Division	Approved
NETL-PUB-324	Methane Hydrate Accumulation Habits in Porous Media: X-ray CT Scans and Core Scale Modeling	3/21/2012	Earth & Mineral Science Division	Approved
NETL-PUB-325	Chemical looping combustion of synthesis gas derived from steam gasification of coal over Fe-Cu carr	3/21/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-326	Density functional theory studies on the electronic, structural, phonon dynamical and thermo-stabilit	3/22/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-326	Density functional theory studies on the electronic, structural, phonon dynamical and thermo-stabilit	3/22/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-327	Effect of SO2 on Oxidation of Metallic Materials in CO2/H2O-Rich Gases Relevant to Oxyfuel Environr	3/23/2012	Materials Performance Division	Approved
NETL-PUB-328	multi-phase cfd modeling of a solid sorbent carbon capture system	3/26/2012	Computational Science Division	Approved
NETL-PUB-329	The successful development of shale gas resources in the United States	3/27/2012	Earth & Mineral Science Division	Approved
NETL-PUB-330	Carbonates Formation in Wyoming Montmorillonite under High Pressure Carbon Dioxide	3/28/2012	Geosciences Division	Approved
NETL-PUB-331			Materials Performance Division	Approved
NETL-PUB-332	Coadsorption properties of CO2 and H2O on rutile TiO2(110): A dispersion-corrected DFT study	3/29/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-333	A 1-D Three Region Model for a Bubbling Fluidised Bed Adsorber	3/30/2012	Computational Science Division	Approved
NETL-PUB-334	Parametric Study for an Immobilized Amine Sorbent in a Regenerative Carbon Dioxide Capture Proce	4/3/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-335	The NETL Aqueous Mineralization Process: Recent Developments and Novel Application:	4/3/2012	Process Development Division	Approved
NETL-PUB-336	Packed-Bed Reactor Study of NETL Sample 196c for the Removal of Carbon Dioxide from Simulated Fl	4/4/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-337	Oxy-Combustion Environment Characterization: Fire- and Steam-Side Corrosion in Advanced Combus	4/6/2012	Materials Performance Division	Approved
NETL-PUB-338	Fireside Corrosion in the Oxy-Combustion of Coa	4/6/2012	Materials Performance Division	Approved
NETL-PUB-339	Task 1—Steam Oxidation (NETL-US)	4/6/2012	Materials Performance Division	Approved
NETL-PUB-340			Materials Performance Division	Approved
NETL-PUB-341	Computational modeling of microstructural evolution in alloys for advanced fossil power system:	4/6/2012	Materials Performance Division	Approved
NETL-PUB-342	On the Modeling of a Single-stage, Downward-firing, Entrained-flow Gasifier	4/9/2012	Computational Science Division	Approved
NETL-PUB-343	Characterization of the Marcellus Shale in the Appalachian Basir	4/10/2012	Earth & Mineral Science Division	Approved
NETL-PUB-344	CFD Modeling of Entrained-Flow Gasifiers with Improved Physical and Chemical Sub-models	4/12/2012	Computational Science Division	Approved
NETL-PUB-345	Dynamic Modeling of a Single-Stage, Downward-Firing, Entrained-Flow Gasifier	4/12/2012	Computational Science Division	Approved
NETL-PUB-346	Dynamic Modeling of Two-Stage Adsorber For Solid-Sorbent CO2 Capture	4/12/2012	Computational Science Division	Approved
NETL-PUB-347	Effect of Sour Environment pH on Crack Morphology in Ultra Strength Drilling Steel under Cyclic Stres	4/12/2012	Materials Performance Division	Approved
NETL-PUB-348	Comparison of high-pressure CO2 sorption isotherms on Eastern and Western US coals	4/13/2012	Geosciences Division	Approved

NETL-PUB-349	Optimal Control System Design for IGCC Power Plants with CO2 Capture	4/13/2012	Computational Science Division	Approved
NETL-PUB-350	State Estimation of an Acid Gas Removal Unit for an IGCC Power Plant with CO2 Capture	4/13/2012	Computational Science Division	Approved
NETL-PUB-351	Dynamic Modeling and Transient Analysis of a Solid-Sorbent Adsorber for CO2 Capture	4/13/2012	Computational Science Division	Approved
NETL-PUB-352	Control System Design for Maintaining CO2 Capture in IGCC Power Plants While Load-Following	4/15/2012	Computational Science Division	Approved
NETL-PUB-353	Control of activity and stability by tailoring microstructure of electrocatalyst-modified composite cat	4/17/2012	Energy System Dynamics Division	Approved
NETL-PUB-354	Energy conversion with solid oxide fuel cell systems: short and long term outlook:	4/17/2012	Energy System Dynamics Division	Rejected
NETL-PUB-355	the Thermodynamic Properties of CO2 Capture Reaction by Solid Sorbents: Theoretical Predictions ar	4/18/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-356	Molten catalytic coal gasification with in situ carbon & sulfur capture	4/19/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-357	Rapid Detection of Sub-Scale Particle Features Using Invariant Harmonic Wavelet Descriptors	4/20/2012	Computational Science Division	Approved
NETL-PUB-358	ab initio thermodynamic study of the CO2 capture properties of potassium carbonate sesquihydrate	4/23/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-359	Design of Fluidized Bed System with Adjustable Diameter to Study Wall Effects	4/23/2012	Computational Science Division	Approved
NETL-PUB-360	CFD Modeling of Entrained-Flow Coal Gasifiers with Improved Physical and Chemical Sub-models	4/24/2012	Computational Science Division	Approved
NETL-PUB-362	Electro-catalytic Properties of Nano-crystalline Calcium-Doped Lanthanum Cobalt Oxide for Bi-functic	4/25/2012	Materials Performance Division	Approved
NETL-PUB-363	Effect of acid concentration on the structure and electrochemical performance of Li2MnO3	4/25/2012	Materials Performance Division	Approved
NETL-PUB-364	Theoretical calculating the thermodynamic properties of solid sorbents for CO2 capture application	4/25/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-365	Facile CVD Derived Transition Metal Oxide and Doped Transition Metal oxide/CNT Heterostructures f	4/25/2012	Materials Performance Division	Approved
NETL-PUB-366	Electro-deposition of Amorphous Silicon Anodes Exhibiting High Reversible Capacity and Cycling Stab	4/25/2012	Materials Performance Division	Approved
NETL-PUB-367	Structural and electrochemical properties of ZnO treated 0.5Li2MnO3-0.5LiNi0.5Mn0.5O2 composite	4/25/2012	Materials Performance Division	Approved
NETL-PUB-368	Electrospun La0.8Sr0.2MnO3 Nanofibers for High Sensitive and High Temperature CO Electrochemica	4/25/2012	Materials Performance Division	Approved
NETL-PUB-369	Electrochemical and structural investigations on ZnO treated 0.5 Li2MnO3-0.5LiMn0.5Ni0.5O2 layere	4/25/2012	Materials Performance Division	Approved
NETL-PUB-370	Enhanced Supercapacitor Performance of MnO2/ High Conductive Carbon Nanofibers Core Shell Nan	4/25/2012	Materials Performance Division	Approved
NETL-PUB-371	Synthesis, Characterization, and Electrochemical Studies of Chemically Synthesized NaFePO4	4/25/2012	Materials Performance Division	Approved
NETL-PUB-372	Electrodeposition of Amorphous Silicon Anode for Lithium Ion Batteries	4/25/2012	Materials Performance Division	Approved
NETL-PUB-373	Accelerating Progress Toward Operational Excellence of Fossil Energy Plants with CO2 Capture	4/26/2012	Computational Science Division	Approved
NETL-PUB-374	Enhanced IGCC Regulatory Control and Coordinate Plant-wide Control Strategies for Improving Powe	4/26/2012	Computational Science Division	Approved
NETL-PUB-375	Dynamic Maximization of Oxygen Yield in an Elevated-Pressure Air Separation Unit using Linear Multi	4/26/2012	Computational Science Division	Approved
NETL-PUB-376	Soft Magnetic Materials in High Frequency, High Power Conversion Applications	4/28/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-377	CFD Modeling of Entrained-Flow Gasifiers with Improved Physical and Chemical Sub-models	4/28/2012	Computational Science Division	Approved
NETL-PUB-378	A One-Dimensional Transient Model of a Single-Stage, Downward-Firing, Entrained-Flow Gasifie	4/28/2012	Computational Science Division	Approved
NETL-PUB-379	Dynamic Modeling and Control of a Solid-Sorbent CO2 Capture Process with Two-Stage Bubbling Flui	4/29/2012	Computational Science Division	Approved
NETL-PUB-380	Development of a Sensor Placement Algorithm for Maximizing the Efficiency of an Acid Gas Removal	4/29/2012	Computational Science Division	Approved
NETL-PUB-381	Circulating Fluid Bed Riser Computational Fluid Dynamics (CFD) Model Validation with Electrical Capa	4/30/2012	Computational Science Division	Approved
NETL-PUB-382	A Method for Direct, Semi-Quantitative Analysis of Gas Phase Samples Using GC-ICP/MS	4/30/2012	Energy System Dynamics Division	Approved
NETL-PUB-383	Effect of Different Gas-Solid and Solid-Solid Drag Models On the Segregation of a Binary Mixture of P	5/1/2012	Computational Science Division	Approved
NETL-PUB-384	Gas-Solid Multiphase Flow Model Validation: Upcoming Small Scale Challenge Problem	5/1/2012	Computational Science Division	Rejected
NETL-PUB-385	Predicting minimum fluidization and bubbling velocities for Geldart type A particle:	5/1/2012	Computational Science Division	Approved
NETL-PUB-386	Gasification Modeling in the 21st Century	5/2/2012	Computational Science Division	Approved
NETL-PUB-387	Predicting Clustering Instabilities in Granular Materials: Kinetic-Theory Simulations Vs. Molecular Dyn	5/2/2012	Computational Science Division	Approved
NETL-PUB-388	MATERIAL ISSUES IN SLAGGING GASIFIERS CAUSED BY CARBON FEEDSTOCK	5/2/2012	Materials Performance Division	Approved
NETL-PUB-389	Using an Operator Training Simulator in the Undergraduate Chemical Engineering Curriculum	5/2/2012	Computational Science Division	Approved
NETL-PUB-390	Dynamic Simulation and Load-Following Control of an IGCC power plant with CO2 Capture	5/2/2012	Computational Science Division	Approved
NETL-PUB-391	Optimal Control System Design of an Acid Gas Removal (AGR) Unit for an IGCC Power Plant with CO2	5/2/2012	Computational Science Division	Approved
NETL-PUB-392	Advanced Regulatory Control and Coordinated Plant-Wide Control Strategies for IGCC Targeted towa	5/2/2012	Computational Science Division	Approved
NETL-PUB-393	Application of Linear Multiple Model Predictive Control (MMPC) Framework towards Dynamic Maxim	5/2/2012	Computational Science Division	Approved
NETL-PUB-394	Development of a Sensor Placement Algorithm for Maximizing the Efficiency of an Acid Gas Removal	5/2/2012	Computational Science Division	Approved
NETL-PUB-395	CFD Modeling of Commercial-Scale Entrained-Flow Coal Gasifiers	5/2/2012	Computational Science Division	Approved
NETL-PUB-395	Effect of SO2 and Steam on Chemical Looping Combustion of Coal with Iron and Copper Oxygen Carr	5/2/2012	Separations & Fuels Processing Division	Approved

NETL-PUB-397	Enforcing Elemental Mass and Energy Balances for Reduced Order Models Generated from CFD Simu	5/2/2012	Computational Science Division	Approved
NETL-PUB-398	Dynamic Modeling and Control of a Solid-Sorbent CO2 Capture Process with Two-Stage Bubbling Flui	5/2/2012	Computational Science Division	Approved
NETL-PUB-399	Comparison of CO2 Storage Resource Methodologies	5/3/2012	Geosciences Division	Approved
NETL-PUB-4	Granular Morphology Distribution Fingerprinting Using Massive Data Sets	5/2/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-400	Synergetic Effect of Mixed Copper-Iron Oxides Oxygen Carriers in Chemical Looping Combustior	5/3/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-401	Mechanism of methane chemical looping combustion with Fe2O3 promoted with CeO2	5/3/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-402	An Energy Efficient Process for CO2 Separation From Pre-Combustion Fuel Gas Using Mg(OH)2 Sorbe	5/3/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-403	Moisture removal for enhanced CO2 separation from post-combustion flue ga	5/4/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-404	Alkali promoted iron oxide oxygen carriers for chemical looping combustion of coal and methane for	5/4/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-405	Evaluating the Viability of CO2 Mineralization Via Reaction of Caustic Waste Material	5/7/2012	Geosciences Division	Approved
NETL-PUB-406	Characterizing CO2 Storage Potential in Depleted Shale Gas Reservoir	5/7/2012	Geosciences Division	Approved
NETL-PUB-407	Thermal relaxation of residual stress in laser shock peened Ti-6Al-4V alloy	5/8/2012	Materials Performance Division	Approved
NETL-PUB-408	CFD modeling and analysis of segregation in a binary fluidized bec	5/9/2012	Computational Science Division	Approved
NETL-PUB-409	Multiphase CFD modeling of a solid sorbent carbon capture system	5/9/2012	Computational Science Division	Approved
NETL-PUB-411	Incorporation of promoters to enhance the oxygen capacity and reaction rates of iron oxide oxygen c	5/10/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-413	Poisoning of a Silica Supported Cobalt Catalyst due to the Presence of Sulfur Impurities in Syngas duri	5/14/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-414	Phase Shift Method to Estimate Solids Circulation Rate in Circulating Fluidized Bed	5/15/2012	Computational Science Division	Approved
NETL-PUB-415	Direct Power Extraction with Oxy-Combustion: An overview of Magnetohydrodynamic Research Acti	5/15/2012	Energy System Dynamics Division	Approved
NETL-PUB-416	Electrical Capacitance Volume Tomography (ECVT) Applied to Bubbling Fluid Beds	5/21/2012	Energy System Dynamics Division	Approved
NETL-PUB-417	Hydrates in the Ocean - Beneath, Around, and Above Production Equipment	5/22/2012	Earth & Mineral Science Division	Approved
NETL-PUB-418	Performance impact associated with Ni-based SOFCs fueled with higher hydrocarbon doped coal syng	5/31/2012	Energy System Dynamics Division	Approved
NETL-PUB-419	Integrated Assessment Model for Predicting Potential Risks Associated with Shale Gas Developmen	6/8/2012	Geosciences Division	Approved
NETL-PUB-420	Field Test of an Alternative Hypothesis for Stray Gas Migration from Shale Gas Developmen	6/11/2012	Earth & Mineral Science Division	Approved
NETL-PUB-421	Phase-field modeling of microstructural evolution in industrial alloys	6/12/2012	Materials Performance Division	Approved
NETL-PUB-422	Fireside Corrosion in Oxy-fuel Combustion of Coa		Separations & Fuels Processing Division	
NETL-PUB-423	Fireside Corrosion in Oxy-fuel Combustion of Coa	6/15/2012	Materials Performance Division	Approved
NETL-PUB-424	Oxy-Combustion Environment Characterization: Fire- and Steam-Side Corrosion in Advanced Combus	6/15/2012	Materials Performance Division	Approved
NETL-PUB-425	Optical fiber evanescent absorption sensor design for high-temperature gas sensing in advanced coal	6/20/2012	Energy System Dynamics Division	Approved
NETL-PUB-426	CBM Review - Analysing for efficiency	6/25/2012	Thermal Science Division	Approved
NETL-PUB-427	Practical Membranes for CO2 Capture	6/27/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-428	Temperature and Heat Transfer Measurements in the NETL Aerothermal Rig	6/29/2012	Energy System Dynamics Division	Approved
NETL-PUB-429	Surface Studies of Ultra-high Strength Drilling Steel after Corrosion Fatigue in Simulated Sour Environ	7/2/2012	Materials Performance Division	Approved
NETL-PUB-430	Plasmon Resonance at Extreme Temperatures in Sputtered Au Nanoparticle Incorporated TiO2 Film	7/7/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-432	Computational modeling of microstructural evolution in Ni-base superalloy and high temperature oxi	7/13/2012	Materials Performance Division	Approved
NETL-PUB-433	Phase field modeling of metal oxidation kinetics and its microstructure dependence	7/13/2012	Materials Performance Division	Approved
NETL-PUB-434			Geosciences Division	Approved
NETL-PUB-435	Metal Oxide Based Thin Films for Optical Gas Sensing at Extreme Temperatures and in Harsh Environ	7/15/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-436	Synthesis, Structure, Property Correlations in FeCo-SiO2 Nanogranular Thin Films for High Frequency	7/15/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-437	Effects of Surface Hydrophobicity on the Kinetics of Methane Hydrate Formation in Partially Water-S	7/16/2012	Earth & Mineral Science Division	Approved
NETL-PUB-438	Slag Management System during Gasification	7/17/2012	Materials Performance Division	Approved
NETL-PUB-439	Discrete Modeling of Void Porosity in Rock Cutting	7/18/2012	Earth & Mineral Science Division	Approved
NETL-PUB-440	On the Relationship between Mechanical Specific Energy and Rate of Penetratior	7/18/2012	Earth & Mineral Science Division	
NETL-PUB-441	Plasmonic Transparent Conducting Metal Oxide Nanoparticles and Nanoparticle Films: Novel Materia	7/18/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-442	Risk Assessment for Hydraulic Fracturing: Perception Versus Reality	7/19/2012	Earth & Mineral Science Division	Rejected
NETL-PUB-443	Rapid Raman Sensor for Gas Analysis	7/23/2012	Energy System Dynamics Division	Approved
NETL-PUB-444	Mechanical and Transport Properties of Hollow Fibers Containing Ionic Liquids for CO2/H2 Separatior	7/24/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-445	Improved Efficiency of Gas Hydrate-Based Desalination by Using Cyclopentane and Cyclohexane	7/25/2012	Earth & Mineral Science Division	Approved

NETL-PUB-446	Field tests of the Raman gas composition sensor	7/25/2012	Energy System Dynamics Division	Approved
NETL-PUB-447	Recent Developments in the Production of Liquid Fuels via Catalytic Conversion of Microalgae: Experi	7/26/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-448	A Geochemical Comparison of Oil Prone and Gas Prone Marcellus Shale in the Appalachian Basir	7/27/2012	Earth & Mineral Science Division	Rejected
NETL-PUB-449	Erosion-Corrosion of Iron and Nickel Alloys at Elevated Temperature in a Combustion Gas Environme	7/27/2012	Materials Performance Division	Approved
NETL-PUB-450	A New Wear Test for Paper Making Fabrics	7/27/2012	Materials Performance Division	Approved
NETL-PUB-451	Synergetic Effects of Mixed Copper-Iron Oxides Oxygen Carriers In Chemical Looping Combustior	7/30/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-452	Chemical Looping Combustion of Synthesis Gas Derived from Steam Gasification of Coal over Bimetal	7/30/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-453	Continuum model validation of gas jet plume injection into a gas-solid bubbling fluidized bec	8/1/2012	Computational Science Division	Approved
NETL-PUB-454	High throughput strontium isotope method for monitoring fluid flow related to geological CO2 storag	8/2/2012	Geosciences Division	Approved
NETL-PUB-455	Co-Sequestration Geochemical Modeling: Simple Brine Solution+ Co2-O2-SO2	8/2/2012	Process Development Division	Approved
NETL-PUB-456	Density-functional study of the La2Zr2O7 low-index faces	8/7/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-457	A baseline geochemical and Sr isotope assessment of surface waters in the Allegheny River watershe	8/9/2012	Geosciences Division	Approved
NETL-PUB-458	In-situ laser induced breakdown spectroscopic (LIBS) analysis of wellbore cement degradation and int	8/13/2012	Geosciences Division	Approved
NETL-PUB-459			Geosciences Division	Approved
NETL-PUB-460	Comparison of Publically Available Methodologies for Development of Geologic Storage Estimates for	8/14/2012	Geosciences Division	Approved
NETL-PUB-461	Rapid field measurement of dissolved inorganic carbon based on CO2 analysis	8/14/2012	Geosciences Division	Approved
NETL-PUB-462	Hydrogel tracer beads: the development, modification, and testing of an innovative tracer for better	8/14/2012	Geosciences Division	Approved
NETL-PUB-463	Using LiDAR to Locate Historic Drilling and Charcoal Production Sites in Pennsylvania	8/14/2012	Geosciences Division	Approved
NETL-PUB-464	Major and trace element cycling within the passive water treatment systems of one of the world's fir	8/14/2012	Geosciences Division	Approved
NETL-PUB-465	Effect of Carbon Deposition on Oxidation Rate of Copper/Bentonite in Chemical Looping Proces:	8/15/2012	Computational Science Division	Approved
NETL-PUB-466	Using Auxiliary Boilers to Balance Heat-Transfer in an Oxy-combustion Retrofit	8/15/2012	Process Development Division	Approved
NETL-PUB-467	Comparison of CO2 Storage Resource Methodologies	8/16/2012	Geosciences Division	Approved
NETL-PUB-468	Synthesis, characterization, and catalytic activity of Rh-based lanthanum zirconate pyrochlores for hig	8/17/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-469	Role of metal substitution in lanthanum zirconate pyrochlores (La2Zr2O7) for dry (CO2) reforming of	8/17/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-470	Synthesis of substituted pyrochlores for hydrogen production from liquid fuel:	8/17/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-471	Biodiesel Reforming for Fuel Cell Applications	8/17/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-472	Carbon formation on La1.97Sr0.03Ru0.05Zr1.95O7 pyrochlore catalyst during dry reforming of metha	8/17/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-473	Effect of Rh substitution in pyrochlores (La2Zr2O7) for dry reforming of methane	8/17/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-474	Pyrochlore-based Catalysts for Liquid Hydrocarbon Reforming	8/17/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-475			Separations & Fuels Processing Division	Approved
NETL-PUB-476	A Review and Perspective: Thin Films for Optical Based Chemical Sensing at Extreme Temperature:	8/19/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-477	Laboratory and Numerical Simulation based Investigation of Two-Phase Brine-CO2 Displacement Proc	8/20/2012	Geosciences Division	Approved
NETL-PUB-478	Selection of Domain Size for Lattice Boltzmann Simulation to Calculate Flow Properties of Porous Me	8/20/2012	Geosciences Division	Approved
NETL-PUB-479	CONJUGATE HEAT TRANSFER MODELING OF A FILM-COOLED, FLAT-PLATE TEST SPECIMEN IN A GAS T	8/23/2012	Energy System Dynamics Division	Approved
NETL-PUB-480	DIRECT MEASUREMENT OF PRESSURE EFFECT ON FILM-COOLING OVERALL EFFECTIVENESS	8/23/2012	Energy System Dynamics Division	Approved
NETL-PUB-482	MITAS-2009 Expedition, U.S. Beaufort Shelf & Slope of Alaska - Lithostratigraphy Data Report	8/27/2012	Earth & Mineral Science Division	Approved
NETL-PUB-483	Predictive modeling of CO2 sequestration in deep saline sandstone reservoirs: Impacts of geochemica	8/27/2012	Environmental Science Division	Approved
NETL-PUB-484	Developing a robust geochemical and reactive transport model to evaluate possible sources of arseni	8/27/2012	Environmental Science Division	Approved
NETL-PUB-485	Computational Modeling of a Pressure-Gain Combustor	8/29/2012	Energy System Dynamics Division	Approved
NETL-PUB-486	Material Issues in Slagging Gasifiers Caused by Carbon Feedstock	8/30/2012	Materials Performance Division	Approved
NETL-PUB-487			Geosciences Division	Approved
NETL-PUB-488	Water Resources and Shale Gas Production in the Appalachian Basin (update to 2009 USGS Fact Shee	9/5/2012	Earth & Mineral Science Division	Approved
NETL-PUB-489	Estimation of the Thermodynamic Properties for Oil and PAH within the C3M Software	9/7/2012	Computational Science Division	Approved
NETL-PUB-490	Carbon /MnO2 Core-Shell Nanofibers for Supercapacitors	11/13/2012	Materials Performance Division	Approved
NETL-PUB-491	Effect of substitution of cobalt by manganese on the properties of calcium-doped lanthanum cobalt c	11/13/2012	Materials Performance Division	Approved
NETL-PUB-492	Effect of substitution of cobalt by manganese on the properties of calcium-doped lanthanum cobalt c	11/13/2012	Materials Performance Division	
NETL-PUB-493	Microwave Synthesis of Graphene/Sn Nanocomposite Anodes for Lithium-Ion Batteries	11/13/2012	Materials Performance Division	

NETL-PUB-494	Nanostructured transition metal nitride supercapacitors: Effects of composition, structure, and electr	11/13/2012	Materials Performance Division	
NETL-PUB-495	Electrodeposition of Amorphous Silicon Anode for Lithium Ion Batteries	11/13/2012	Materials Performance Division	
NETL-PUB-496	A Reduced Graphene Oxide/Co3O4 Composite for Supercapacitor Electrode	11/13/2012	Materials Performance Division	
NETL-PUB-497	Equivalence Ratio Startup Control of a Fuel Cell Turbine Hybrid System	9/11/2012	Energy System Dynamics Division	Approved
NETL-PUB-498	Emergency Shut-down Strategy for Fuel Cell Turbine Hybrid System	9/11/2012	Energy System Dynamics Division	Approved
NETL-PUB-499	Dielectric studies of supercritical CO2 treated Green River oil shale	9/12/2012	Geosciences Division	Approved
NETL-PUB-500	Numerical Investigation of Rotating Detonation Combustion In Annular Chambers	9/13/2012	Energy System Dynamics Division	Approved
NETL-PUB-501	Hydrogen From Hydrocarbons: Catalytic Reforming of Liquid Fuels Using Substituted Pyrochlores	9/13/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-501	Hydrogen From Hydrocarbons: Catalytic Reforming of Liquid Fuels Using Substituted Pyrochlores	9/13/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-503	CO2 concentration and pH alters subsurface microbial ecology at reservoir temperature and pressure	9/17/2012	Environmental Science Division	Approved
NETL-PUB-504	CO2 Sequestration Potential of Charqueadas Coal Field in Brazi	9/18/2012	Geosciences Division	Approved
NETL-PUB-506	Electrochemical behavior of nanocrystalline MgMnO3 cubic defect spinel cathode for rechargeable m	9/20/2012	Materials Performance Division	Rejected
NETL-PUB-507	Water quality issues in an urban surface water system: A geochemical and Sr isotope assessment of t	9/21/2012	Geosciences Division	Approved
NETL-PUB-508	Shallow groundwater and soil chemistry response to 3 years of subsurface drip irrigation using coalbe	9/24/2012	Environmental Science Division	Approved
NETL-PUB-509	Alamo: Automatic Learning of Algebraic Models for Optimizatior	9/25/2012	Computational Science Division	Approved
NETL-PUB-510	Coal Oxcombustion Flowsheet Optimization	9/25/2012	Computational Science Division	Approved
NETL-PUB-511	Enforcing Elemental Mass and Energy Balances for Reduces Order Models Generated From CFD Simu	9/25/2012	Computational Science Division	Approved
NETL-PUB-512	Integrating the Carbon Capture Materials Database with the Process Simulation Tools of the Carbon (	9/25/2012	Computational Science Division	Approved
NETL-PUB-513	Model Reduction in Multi-Scale Simulation and Optimizatior	9/25/2012	Computational Science Division	Approved
NETL-PUB-514	Post-Combustion Gas Permeation Carbon Capture System Models	9/25/2012	Computational Science Division	Approved
NETL-PUB-515	Pressure Swing Adsorption_Design and Optimization for Pre-Combustion Carbon Capture	9/25/2012	Computational Science Division	Approved
NETL-PUB-516	Surrogate Model Based Optimal Synthesis of Solid Sorbent Carbon Capture Proces	9/25/2012	Computational Science Division	Approved
NETL-PUB-517	Surrogate-Based Optimization of Simulated Energy Systems	9/25/2012	Computational Science Division	Approved
NETL-PUB-518	Bayesian Methods in Multi-scale Modeling	9/25/2012	Computational Science Division	Approved
NETL-PUB-519	A Combined Cost Model for Analysis of Degraded Water Utilization in Thermoelectric Power Plant	9/25/2012	Computational Science Division	Approved
NETL-PUB-520	CO2 Sequestration Potential of Charqueadas Coal Field in Brazi	9/26/2012	Geosciences Division	Approved
NETL-PUB-521	Evolving water management practices in shale gas development	9/28/2012	Earth & Mineral Science Division	Approved
NETL-PUB-522			Geosciences Division	Approved
NETL-PUB-523	DOE Methodology for Geologic Storage Potentia	10/2/2012	Geosciences Division	Approved
NETL-PUB-524	DOE Methodology for Geologic Storage Potentia	10/2/2012	Geosciences Division	Approved
NETL-PUB-525	Rheological Behavior of Clay-Nanoparticle Hybrid added Bentonite- suspensions; the Specific Role of	10/2/2012	Geosciences Division	Approved
NETL-PUB-526	Research Shows Benefits of Adding Nanoclay, Nanosilica to Oil-Based HP/HT Drilling Fluids	10/2/2012	Geosciences Division	Approved
NETL-PUB-527	Determination of free CO2 in emergent groundwaters using a commercial beverage carbonation met	10/2/2012	Geosciences Division	Approved
NETL-PUB-528	Thermal regime of the Trough Creek ice mine, a cold air trap in central Pennsylvania, USA	10/2/2012	Geosciences Division	Approved
NETL-PUB-529	Selection of domain size for lattice boltzmann simulation to calculate flow properties of porous media	10/2/2012	Geosciences Division	Approved
NETL-PUB-530	Laboratory and numerical simulation based investigation of two-phase brine-CO2 displacement proce	10/2/2012	Geosciences Division	Approved
NETL-PUB-531	Utilization of Multiple Waste Streams for Acid Gas Sequestration and Multi-Pollutant Contro	10/2/2012	Geosciences Division	Approved
NETL-PUB-532	Life Cycle Greenhouse Gas Analysis of Advanced Jet Propulsion Fuels: Fischer-Tropsch Based SPK-1 Ca	10/2/2012	Geosciences Division	Approved
NETL-PUB-533	Demonstration of 1st Generation Integrated Assessment Model for CO2 Storage Risk Assessmen	10/2/2012	Geosciences Division	Approved
NETL-PUB-534	ICMI - CO2 Storage in Depleted Shale Gas Reservoirs	10/2/2012	Geosciences Division	Approved
NETL-PUB-535	Thermal Behavior of Coal and Biomass Blends in Inert and Oxidizing Gaseous Environments	10/2/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-536	Coal and Biomass Blends Pyrolysis in Inert and Oxidizing Gaseous Environments	10/2/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-536	Coal and Biomass Blends Pyrolysis in Inert and Oxidizing Gaseous Environments	10/2/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-537	Managing Computational Chemistry for Gasification Modeling Through the C3M Software	10/4/2012	Computational Science Division	Approved
NETL-PUB-538	Deterioration of a fractured carbonate caprock exposed to CO2-acidified brine flow	10/4/2012	Geosciences Division	Approved
NETL-PUB-539	CO2 leakage impacts on shallow groundwater: field-scale reactive-transport simulations informed by	10/4/2012	Geosciences Division	Approved
NETL-PUB-540	Development of high through-put Sr isotope analysis for monitoring reservoir integrity for CO2 storag	10/4/2012	Geosciences Division	Approved

NETL-PUB-541	Use of Slag Management to Extend the Service Life of Cr2O3 Gasifiers Refractories	10/5/2012	Materials Performance Division	Approved
NETL-PUB-542	Na2CO3-Promoted MgO Sorbent for Intermediate Temperature CO2 Removal	10/9/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-543	Geochemical and Physical Artifacts of Methane Hydrate in Marine Sediments	10/10/2012	Earth & Mineral Science Division	Approved
NETL-PUB-544	Deepwater and Ultra-Deepwater Blowout and Offshore Spill Mode	10/10/2012	Earth & Mineral Science Division	Approved
NETL-PUB-545	Isotopic evidence of enhanced carbonate dissolution at a coal mine drainage site in Allegheny County	10/11/2012	Geosciences Division	Approved
NETL-PUB-546	Strontium isotope quantification of siderite, brine and acid mine drainage contributions to abandone	10/11/2012	Geosciences Division	Approved
NETL-PUB-547	Geochemical and strontium isotope characterization of produced waters from Marcellus shale natura	10/11/2012	Geosciences Division	Approved
NETL-PUB-548	Modeling the potential impact of oil spills on commercial fisheries in the northern Gulf of Mexico	10/11/2012	Earth & Mineral Science Division	Approved
NETL-PUB-549	Spatial Datasets for Researching the Risks and Potential Impacts of exploration and production of fos	10/12/2012	Earth & Mineral Science Division	Approved
NETL-PUB-55	Optical Thin Films for Gas Sensing in Advanced Coal Fired Power Plants	6/16/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-550	Fluid bed adsorption of carbon dioxide on immobilized polyethylenimine (PEI): kinetic analysis and br	10/15/2012	Computational Science Division	Approved
NETL-PUB-551	Probing the influence of reactions between fracturing fluids and Marcellus Shale on the composition	10/18/2012	Geosciences Division	Approved
NETL-PUB-552	Clay Mineralogy and Cation Exchange in the Marcellus Shale	10/18/2012	Geosciences Division	Rejected
NETL-PUB-553	Theoretical Screening of Solid Sorbents for CO2 Capture	10/19/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-554	Effects of Surface Hydrophobicity on the Kinetics of Methane Hydrate Formation in Partially Water-S	10/19/2012	Earth & Mineral Science Division	Rejected
NETL-PUB-555	Design and industrial testing of ultra-fast multi-gas Raman spectrometer	10/22/2012	Energy System Dynamics Division	Approved
NETL-PUB-556	Direct Measurements of Overall Effectiveness and Heat Flux on a Film Cooled Test Article at High Tem	10/26/2012	Energy System Dynamics Division	Approved
NETL-PUB-557	Experimental Analysis of Flow Unbalance in Two Parallel Counter-Flow Recuperators	10/29/2012	Energy System Dynamics Division	Approved
NETL-PUB-558	The laboratory application of Laser induced breakdown spectroscopy (LIBS) to investigate CO2 leakag	10/30/2012	Geosciences Division	Approved
NETL-PUB-559	Application of LIBS for monitoring surface CO2 leak in carbon sequestration	10/30/2012	Geosciences Division	Approved
NETL-PUB-56	Classical Nucleation Theory Description of Phase Selection and Compositional Partitioning in Co-Rich	6/16/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-560	Corrosion of membrane materials for hydrogen separation from coal-derived syngas	10/30/2012	Process Development Division	Approved
NETL-PUB-561	Phase field modeling of metal oxidation behavior	10/30/2012	Materials Performance Division	Approved
NETL-PUB-563	Reaction Zone Characterization in a Gas Turbine Model Validation Combusto	10/31/2012	Energy System Dynamics Division	Approved
NETL-PUB-564	Adaptive Control of Balance of Plant Components in a Fuel Cell Gas Turbine Power Plant Simulato	10/31/2012	Energy System Dynamics Division	Approved
NETL-PUB-565	Azimuthal polarization for Raman enhancement in capillary waveguides	11/1/2012	Energy System Dynamics Division	Rejected
NETL-PUB-566	Development of reacted channel during flow of CO2–rich water along a cement fracture	11/1/2012	Environmental Science Division	Approved
NETL-PUB-567	The effect of monomer order on the hydrolysis of biodegradable poly(lactic-co-glycolic acid) repeatin	11/2/2012	Geosciences Division	Approved
NETL-PUB-568	Extreme Temperature Coatings for Future Gas Turbine Engines	11/2/2012	Energy System Dynamics Division	Approved
NETL-PUB-569	Phase Field Simulations on the Precipitation Kinetics of γ' in Ni-base Superalloy Haynes 282	11/2/2012	Materials Performance Division	Approved
NETL-PUB-570	High throughput method for Sr extraction from variable matrix waters and 87Sr/86Sr isotope analysis	11/5/2012	Geosciences Division	Approved
NETL-PUB-571	Monitoring Natural Systems	11/5/2012	Geosciences Division	Rejected
NETL-PUB-573	Modeling Energy Flow in an Integrated Pollutant Removal (IPR) System with CO2 Capture Integrated	11/5/2012	Process Development Division	Approved
NETL-PUB-574	Economic Analysis of Baseload Power Plants Meeting Current & Possible Future GHG Regulations	11/6/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-575	EXERGY & ECONOMIC ANALYSES OF ADVANCED IGCC-CCS AND IGFC-CCS 2 POWER PLANTS	11/6/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-576	Thermodynamic and Kinetic Simulation and Experimental Results Homogenizing Advanced Alloys	11/6/2012	Process Development Division	Approved
NETL-PUB-577	Effect of Surface Modification by Chelating Agents on Fischer-Tropsch Performance of Co/SiO2 Catalyst	11/8/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-578	Optimizing Drilling Parameters: A Preliminary Attempt	11/13/2012	Earth & Mineral Science Division	Approved
NETL-PUB-579	Development of a Dynamic Simulator for a Natural Gas Combined Cycle (NGCC) Power Plant with Pos	11/14/2012	Computational Science Division	Approved
NETL-PUB-580	AVESTAR Center for Operational Excellence of Electricity Generation Plants	11/14/2012	Computational Science Division	Approved
NETL-PUB-581	AVESTAR Center for Operational Excellence of Clean Energy Plants and Invensys DYNSIM OTS / EYESI	11/14/2012	Computational Science Division	Approved
NETL-PUB-582	AVESTAR Center for Smart Operation of Clean Energy Systems	11/14/2012	Computational Science Division	Approved
NETL-PUB-583	AVESTAR Center for Operational Excellence of Electricity Generation Plants	11/14/2012	Computational Science Division	Approved
NETL-PUB-584	Task 1—Steam Oxidation (NETL-US)	11/15/2012	Materials Performance Division	Approved
NETL-PUB-585	Task 2—Materials for Advanced Boiler and Oxy-combustion Systems (NETL-US)	11/15/2012	Materials Performance Division	
NETL-PUB-586	Steam Oxidation of Fossil Power Plant Materials: Collaborative Research to Enable Advanced Steam F	11/15/2012	Materials Performance Division	
NETL-PUB-587	Boiler Corrosion and Monitoring	11/15/2012	Materials Performance Division	

NETL-PUB-588	Requirements for Standardisation in High-Temperature Corrosion Testing	11/15/2012	Materials Performance Division	
NETL-PUB-589	Sulfur Poisoning of Cobalt Catalysts during Fischer-Tropsch Synthesis: Effect of Modification with Che	11/16/2012	Chemistry & Surface Science Division	Rejected
NETL-PUB-591	A Dynamic Process Model of a Natural Gas Combined Cycle – Model Development with Startup and S	11/20/2012	Computational Science Division	Approved
NETL-PUB-593	The influence of pressure on the phase stability of nanocomposite Fe88Zr7B4Cu1 during heating fron	11/29/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-594	Tailored Porosity in Nanostructured Metal Oxides for Optimal Integration with Fiber Optic Chemical S	11/29/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-595	Nanoparticle-stabilised invert emulsion drilling fluids for deep-hole drilling of oil and ga:	11/29/2012	Geosciences Division	Approved
NETL-PUB-596	Geospatial analysis of natural and engineered data in support of risk assessment for CO2 storage and	11/29/2012	Earth & Mineral Science Division	Approved
NETL-PUB-597	Spatial Datasets for Researching the Risks and Potential Impacts of exploration and production of fos:	11/29/2012	Earth & Mineral Science Division	Approved
NETL-PUB-598	Impacts from the Exxon-Valdez and the BP-Deepwater Horizon Oil Spills	11/29/2012	Earth & Mineral Science Division	Approved
NETL-PUB-599	Discussion about Possibility of Closer Collaboration or Co-authoring	11/29/2012	Materials Performance Division	Approved
NETL-PUB-6	Emergency Shutdown Strategies for Fuel Cell Turbine Hybrid Failure Modes	5/3/2011	Energy System Dynamics Division	Approved
NETL-PUB-600	Thermal Pretreatment Wood for Co-gasification/co-firing of Biomass and Coa	11/30/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-601	Kinetic study of coal and biomass co-pyrolysis using thermogravimetry	11/30/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-602	Remarks on constitutive modeling of slag	11/30/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-603	Impact of temperatures on tar formation from co-pyrolysis of coal and biomass blends	11/30/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-604	Groundwater Protection During Shale Gas Development	12/6/2012	Earth & Mineral Science Division	Approved
NETL-PUB-605	Using strontium isotopes to identify Marcellus Shale derived fluids in Allegheny River watershed, Pen	12/10/2012	Geosciences Division	Approved
NETL-PUB-606	Steam-coal gasification using CaO and KOH for in situ carbon and sulfur capture	12/12/2012	Separations & Fuels Processing Division	Approved
NETL-PUB-607	Phase field modeling of oxidation kinetics: transport of charge carriers, reaction-diffusion and multi-s	12/14/2012	Materials Performance Division	Approved
NETL-PUB-608	Effect of impurities in coal-derived syngas on hydrogen separation membrane materials	12/14/2012	Process Development Division	Approved
NETL-PUB-609	Fireside Corrosion in Oxyfuel Combustion	12/19/2012	Materials Performance Division	Approved
NETL-PUB-610	New 9%Cr Steel for Fossil Energy Use at Temperatures Up To 650C	12/19/2012	Materials Performance Division	Approved
NETL-PUB-611	The Use of Nickel Alloys in Advanced Ultra-Supercritical Steam Turbines	12/19/2012	Materials Performance Division	Approved
NETL-PUB-612	Synthesis and Characterization of Nanocomposites Using the Nanoscale Laser Soldering in Liquid Tecl	12/19/2012	Environmental Science Division	Approved
NETL-PUB-612	Synthesis and Characterization of Nanocomposites Using the Nanoscale Laser Soldering in Liquid Tecl	12/19/2012	Environmental Science Division	Approved
NETL-PUB-613	Spontaneous Ignition Nano-sized Al-water slurry	12/19/2012	Environmental Science Division	Approved
NETL-PUB-614	Martensitic 9%Cr Steel for Ultra-Supercritical Steam Applications	12/20/2012	Materials Performance Division	Approved
NETL-PUB-615	Nickel Superalloys in Advanced Ultra-Supercritical Steam Turbines	12/20/2012	Materials Performance Division	Approved
NETL-PUB-616	Creep Life Modeling for High Temperature Processes	12/20/2012	Materials Performance Division	Approved
NETL-PUB-617	Microstructural Evolution in Haynes 282 After High Temperature Creep Exposure	12/20/2012	Materials Performance Division	Approved
NETL-PUB-618	Elevated-temperature corrosion of CoCrCuFeNiAl0.5Bx high-entropy alloys in simulated syngas conta	12/21/2012	Process Development Division	Approved
NETL-PUB-619	Theoretical Screening of Mixed and Substituted Solid Sorbents for CO2 Capture	12/26/2012	Chemistry & Surface Science Division	Approved
NETL-PUB-620	Selection of Domain Size for Lattice Boltzmann Simulation to Calculate Flow Properties of Porous Me	1/2/2013	Geosciences Division	Approved
NETL-PUB-621	Molecular dynamics simulations of carbon dioxide intercalation in hydrated Na-montmorillonite	1/2/2013	Geosciences Division	Approved
NETL-PUB-622	Monitoring the effect of CO2 leakage on natural and manmade seal and formation material by laser i	1/2/2013	Geosciences Division	Approved
NETL-PUB-624	Effect of Sour Environment pH on Crack Morphology in Ultra-High Strength Drilling Steel Under Cyclic	1/3/2013	Materials Performance Division	Approved
NETL-PUB-625	Simulation of Integrated Pollutant Removal (IPR) Water-Treatment System Using ASPEN Plus	1/4/2013	Process Development Division	Approved
NETL-PUB-626	Corrosion Behavior of Experimental Ferritic Steel in Coal Synthetic Gas	1/4/2013	Materials Performance Division	Approved
NETL-PUB-627	Models for Environmentally Assisted Crack Growth in Ultra-high Strength Steel in Sour Environment:	1/7/2013	Materials Performance Division	Approved
NETL-PUB-628	Effect of Sour Environments on Corrosion Fatigue Crack Propagation in Advanced Drilling Stee	1/7/2013	Materials Performance Division	Approved
NETL-PUB-629	Dissolution-Driven Permeability Reduction of a Fractured Carbonate Caprock	1/9/2013	Geosciences Division	Approved
NETL-PUB-63	Preparation Chemistry and Surface/Bulk Studies of Cobalt-Containing Nanocomposite Materials Supp	6/24/2011	Chemistry & Surface Science Division	Rejected
NETL-PUB-630	Development of a Fast Raman Gas Composition Sensor for Power Plant Applications	1/11/2013	Energy System Dynamics Division	Approved
NETL-PUB-631	Fluid bed adsorption of carbon dioxide on immobilized polyethylenimine (PEI): kinetic analysis and br	1/14/2013	Computational Science Division	
NETL-PUB-632	Determining the Coefficient of Restitution through Image Analysis While Simulating Entrained Flow G	1/14/2013	Computational Science Division	Approved
NETL-PUB-633	Atmospheric and soil-gas monitoring for surface leakage at the San Juan Basin CO2 pilot test site at P	1/15/2013	Environmental Science Division	Approved
NETL-PUB-634	Hydraulic Fracturing and Organic Compounds	1/15/2013	Geosciences Division	Approved

NETL-PUB-635			Environmental Science Division	Approved
NETL-PUB-636	Influence of deep subsurface microbiology on shale gas recovery	1/16/2013	Geosciences Division	Approved
NETL-PUB-637	Concentration-dependent Effects of CO2 on Deep Subsurface Microbial Ecology under Carbon Seque:	1/16/2013	Engineering Research Division	
NETL-PUB-637	Concentration-dependent Effects of CO2 on Deep Subsurface Microbial Ecology under Carbon Seque:	1/16/2013	Environmental Science Division	Approved
NETL-PUB-638	Comparison of high-pressure CO2 sorption isotherms on Eastern and Western US coals	1/18/2013	Geosciences Division	Approved
NETL-PUB-639	Computational Tools for Accelerating Carbon Capture Process Development	1/18/2013	Computational Science Division	Approved
NETL-PUB-639	Computational Tools for Accelerating Carbon Capture Process Development	1/18/2013	Computational Science Division	Approved
NETL-PUB-64	A first-principles density functional theory study of the electronic structural and thermodynamic prop	6/24/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-640	Fluid Bed Characterization Using Electrical Capacitance Volume Tomography (ECVT), Compared to Co	1/18/2013	Energy System Dynamics Division	Approved
NETL-PUB-641	Resource Assessment Methods for Geologic Storage in Saline Formations	1/22/2013	Geosciences Division	Approved
NETL-PUB-642	Evaluating CO2 Storage Potential in Organic-Rich Shale Formations	1/22/2013	Geosciences Division	Approved
NETL-PUB-643	The Role of Process Integration in CO2 Capture for GHG Abatement	1/22/2013	Computational Science Division	Approved
NETL-PUB-643	The Role of Process Integration in CO2 Capture for GHG Abatement	1/22/2013	Computational Science Division	Approved
NETL-PUB-644	Effect of contaminants from flue gas on CO2 sequestration in saline formatior	1/22/2013	Geosciences Division	Approved
NETL-PUB-645	Azimuthal polarization for Raman enhancement in capillary waveguides	1/24/2013	Energy System Dynamics Division	Approved
NETL-PUB-646	Mixed Solid Sorbents for CO2 Capture-a theoretical approach	1/28/2013	Chemistry & Surface Science Division	Approved
NETL-PUB-647	Theoretical Screening of Solid Sorbents for CO2 Capture applications	1/30/2013	Chemistry & Surface Science Division	Approved
NETL-PUB-648	Development of Conducting Metal-Oxide Films for use as Optical Gas Sensors at Elevated Temeperati	1/31/2013	Chemistry & Surface Science Division	Rejected
NETL-PUB-649	Metal Oxide Films for use as Optical Gas Sensors at Elevated Temperatures	2/1/2013	Chemistry & Surface Science Division	Approved
NETL-PUB-65	Calibration and filtering strategies for frequency domain electromagnetic data	6/24/2011	Geosciences Division	Approved
NETL-PUB-650	CO2 Absorption Loop Experiment with Eulerian-Lagrangian Simulation	2/5/2013	Computational Science Division	Approved
NETL-PUB-651	Slag Behavior in Gasifiers. Part I: Influence of Coal Properties and Gasification Condition:	2/8/2013	Computational Science Division	Approved
NETL-PUB-652	Slag Behavior in Gasifiers. Part II: Constitutive Modeling of Slag	2/8/2013	Computational Science Division	Approved
NETL-PUB-653	Removal of malaria-infected red blood cells using magnetic cell separators: A computational study	2/8/2013	Computational Science Division	Approved
NETL-PUB-654	Chemically-reacting fluids with variable transport properties	2/8/2013	Computational Science Division	Approved
NETL-PUB-655	Plasmonic Nanocomposite Thin Film Enabled Fiber Optic Sensors for Simultaneous Gas and Temperat	2/11/2013	Chemistry & Surface Science Division	Approved
NETL-PUB-656	Theoretical and experimental investigation of optimized evanescent-wave absorption sensors for ext	2/11/2013	Energy System Dynamics Division	Approved
NETL-PUB-657	Microscopic Investigations of Sulfur - Rich Corrosion Products on Coppe	2/13/2013	Materials Performance Division	Approved
NETL-PUB-659	Structural and electronic properties of Li8ZrO6 and its CO2 capture capabilities: an ab initio thermody	2/19/2013	Chemistry & Surface Science Division	Approved
NETL-PUB-66	CO2 Adsorption on TiO2(101) Anatase: A Dispersion-corrected DFT Study	6/27/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-660	New Group-Contribution Parameters for the Prediction of PC-SAFT Parameters at Pressures to 276 M	3/8/2013	Earth & Mineral Science Division	Approved
NETL-PUB-661	Synthesis and characterization of nano-fluids containing metal oxide nanoparticle:	3/11/2013	Environmental Science Division	Approved
NETL-PUB-662	Advanced Combustion	3/11/2013	Materials Performance Division	Rejected
NETL-PUB-663	Advanced Combustion	3/11/2013	Materials Performance Division	Rejected
NETL-PUB-664	Effect of SO2 on Oxidation of Metallic Materials in CO2/H2O-Rich Gases Relevant to Oxyfuel Environr	3/12/2013	Materials Performance Division	Approved
NETL-PUB-665	Phase field modeling and multi-scale simulation of oxidation kinetics: transport of charge carriers sub	3/15/2013	Materials Performance Division	Approved
NETL-PUB-666	Mechanical and Transport Properties of Hollow Fibers Containing Ionic Liquids for CO2/H2 Separatior	3/20/2013	Separations & Fuels Processing Division	Approved
NETL-PUB-667	Microwave Approach to Sn/Graphene Composite Anodes for Lithium-Ion Batteries	3/20/2013	Materials Performance Division	Approved
NETL-PUB-668	High performance robust F-doped tin oxide based oxygen evolution electro-catalysts for PEM based v	3/20/2013	Materials Performance Division	Approved
NETL-PUB-669	Photocatalytic Water Oxidation by Hematite/Reduced Graphene Oxide Composite	3/20/2013	Materials Performance Division	Approved
NETL-PUB-67	Application of Real Rock Pore-throat Statistics to a Regular Pore Network Mode	6/28/2011	Geosciences Division	Approved
NETL-PUB-670	Mechanical Strength and Bubble Point of Hollow Fiber Supported Ionic Liquid Membranes	3/20/2013	Separations & Fuels Processing Division	
NETL-PUB-671	Raman Sensor Field Testing Report with GE Cover Page	3/21/2013	Energy System Dynamics Division	Approved
NETL-PUB-672	MECHANISMS OF WEAR REDUCTION IN HIGH CHOME OXIDE REFRACTORIES CONTAINING PHOSPHAT	3/28/2013	Materials Performance Division	
NETL-PUB-673	CO2 capture properties of lithium silicates with different ratios of Li2O/SiO2: an ab initio thermodyna	4/4/2013	Chemistry & Surface Science Division	Approved
NETL-PUB-674	Migration of high-pressure air during gas well drilling in the Appalachian Basir	4/4/2013	Earth & Mineral Science Division	Approved
NETL-PUB-675	Changes in Native microbial communities exposed to geological carbon sequestration conditions in b:	4/9/2013	Process Development Division	Approved

NETL-PUB-676	Effects of Surface Hydrophobicity on the Kinetics of Methane Hydrate Formation in Partially Water-Sa	4/10/2013	Earth & Mineral Science Division	Approved
NETL-PUB-677	Theoretical Calculating the Thermodynamic Properties of CO2 CAPTURE REACTIONS BY SOLID SORBEI	4/11/2013	Chemistry & Surface Science Division	
NETL-PUB-678	X-ray photoelectron spectroscopic study of the effects of water and CO2 on oxidized arsenopyrite an	4/11/2013	Chemistry & Surface Science Division	Approved
NETL-PUB-679	Nitrogen Control in VIM Melts	4/12/2013	Process Development Division	Approved
NETL-PUB-68	Atmospheric monitoring of a perfluorocarbon tracer at the 2009 ZERT Center experiment in Bozemar	6/28/2011	Environmental Science Division	Approved
NETL-PUB-680	The Practical Application of Minor Element Control in Small Scale Melts	4/12/2013	Process Development Division	Approved
NETL-PUB-681	Oxygen Diffusion in Nickel : Ab initio calculations in combination with Kinetic Monte Carlo approach	4/15/2013	Chemistry & Surface Science Division	Approved
NETL-PUB-682	Testing of Microwave Solids Flow Sensor for Chemical Looping	4/16/2013	Energy System Dynamics Division	Approved
NETL-PUB-683	Review of Solids Flow Sensor Technology for Chemical Looping	4/16/2013	Energy System Dynamics Division	Approved
NETL-PUB-684	IMPROVEMENT IN PRECISION, ACCURACY, AND EFFICIENCY IN STANDARDIZING THE CHARACTERIZAT	4/17/2013	Computational Science Division	Approved
NETL-PUB-684	IMPROVEMENT IN PRECISION, ACCURACY, AND EFFICIENCY IN STANDARDIZING THE CHARACTERIZAT	4/17/2013	Computational Science Division	Approved
NETL-PUB-685	Further theoretical evidence for hydrogen-assisted CO dissociation on Ru(0001	4/18/2013	Chemistry & Surface Science Division	Approved
NETL-PUB-686	Field, laboratory, and modeling experiments to understand stray gas mobilization during drilling	4/24/2013	Earth & Mineral Science Division	Approved
NETL-PUB-687	CO2/brine/rock interactions under CO2 sequestration conditions	4/25/2013	Geosciences Division	Approved
NETL-PUB-688	Thermal Imaging Enhancement Algorithm for Gas Turbine Aerothermal Characterizatior	4/30/2013	Geosciences Division	Approved
NETL-PUB-689	Geldart's classification of powders explained using cohesive forces	4/30/2013	Computational Science Division	Approved
NETL-PUB-69	Analysis of calibration materials to improve dual-energy CT scanning for petrophysical application:	6/28/2011	Geosciences Division	Approved
NETL-PUB-690	Structure and Property Correlations in CoFe-SiO2 nanogranular Films Utizling X-ray Photoelectron Spe	5/1/2013	Chemistry & Surface Science Division	Approved
NETL-PUB-691	Erosion-Corrosion of Iron and Nickel Alloys at Elevated Temperature in a Combustion Gas Environme	5/2/2013	Materials Performance Division	
NETL-PUB-692	A new Test for Pulp and Paper Forming Fabric Materials	5/2/2013	Materials Performance Division	
NETL-PUB-693	Water quality issues related to Marcellus Shale derived fluids in the Allegheny River watershed, Penn	5/10/2013	Geosciences Division	Approved
NETL-PUB-694	Measurement of atmospheric pollutants associated with oil and natural gas exploration and producti	5/14/2013	Environmental Science Division	Approved
NETL-PUB-695	continuous monitoring of stable carbon isotopes for Methane source determination at a Marcellus Sh	5/14/2013	Environmental Science Division	Approved
NETL-PUB-696	Molecular simulations of the miscibility and contact angles between ionic liquids and polymer film	5/17/2013	Separations & Fuels Processing Division	
NETL-PUB-697	Effect of Sour Environment Temperature on Fatigue Crack Propagation in Ultrahigh-Strength Stee	5/20/2013	Materials Performance Division	
NETL-PUB-698	Effect of Stress Intensity Factor on Fatigue Crack Morphology in High-Strength Steels in Sour Environr	5/20/2013	Materials Performance Division	
NETL-PUB-699	Determining the Discharge Rate from a Submerged Oil Leak Jet using ROV Videc	5/22/2013	Computational Science Division	Approved
NETL-PUB-7	Evaluation of Rh-Pyrochlore Coated Monolith for the Reforming of Diesel Fue	5/4/2011	Separations & Fuels Processing Division	Approved
NETL-PUB-70	Laser Spark Plug Numerical Design Process with Experimental Validatior	6/28/2011	Geosciences Division	Approved
NETL-PUB-700	ab initio thermodynamic study of the CO2 capture properties of N2CO3(N=Na, K)- and CaCO3-promo	5/24/2013	Chemistry & Surface Science Division	Approved
NETL-PUB-701	Mechanical and Transport Properties of Hollow Fibers Containing Ionic Liquids for CO2/H2 Separatior	5/24/2013	Separations & Fuels Processing Division	
NETL-PUB-702	Investigation of the bubble point of supported ionic liquid membranes using flat sheet support	5/24/2013	Separations & Fuels Processing Division	
NETL-PUB-73	Reversible Ageing Behavior of LSM electrodes at Open Circuit	7/5/2011	Energy System Dynamics Division	Approved
NETL-PUB-74	Biomass Torrefaction: Applications in Renewable Energy and Fuels	7/6/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-75	Pr0.6Sr0.4CoO3 catalyst for solid oxide fuel cell cathode introduced via infiltratior	7/7/2011	Materials Performance Division	Approved
NETL-PUB-76	Time-dependent stability of SOFC activated by nano-sized cathode electrocatalys	7/7/2011	Materials Performance Division	Approved
NETL-PUB-77	Ni(OH)2 and NiO Single-Crystalline Nanoplatelet Arrays as Supercapacitor Electrodes	7/7/2011	Materials Performance Division	Approved
NETL-PUB-78	Magnetic characteristics of a new cubic defect spinel Li0.5Mg0.5MnO3 for Li-ion batteries	7/7/2011	Materials Performance Division	Approved
NETL-PUB-79	Advanced Nanostructured Materials for Energy Applications: Optical Thin Films for High Temperature	7/8/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-80	Nodal Analysis Estimates of Fluid Flow from the BP Macondo MC252 Wel	7/11/2011	Geosciences Division	Approved
NETL-PUB-81	CO2 utilization, a general overview	7/11/2011	Energy System Dynamics Division	Approved
NETL-PUB-82	The Effect of Phosphate Additions on the Microstructure and Performance of Cr2O3 Gasifier Refractc	7/11/2011	Materials Performance Division	Approved
NETL-PUB-83	Modeling the Effect of particle size on the activation energy and ignition temperature of metallic nan	7/12/2011	Environmental Science Division	Approved
NETL-PUB-84	RESERVOIR CHARACTERIZATION of the DEVONIAN SHALE FORMATIONS in the APPALACHIAN BASIN a	7/14/2011	Earth & Mineral Science Division	Approved
NETL-PUB-85	Effects of Inclusions in HSLA Carbon Steel on Pitting Corrosion in CaCl2	7/15/2011	Materials Performance Division	Approved
NETL-PUB-86	Surface Studies of HSLA Steel after Electrochemical Corrosion in Supercritical CO2-H2O Environmen	7/15/2011	Materials Performance Division	Approved
NETL-PUB-87	Coherent precipitates in Cr solid solution	7/18/2011	Process Development Division	Approved

NETL-PUB-88	Molecular Simulation of Carbon Dioxide Capture by Montmorillonite Using an Accurate and Flexible F	7/18/2011	Geosciences Division	Approved
NETL-PUB-9	Optimization of IGCC with CFD Based ROM	5/4/2011	Computational Science Division	Approved
NETL-PUB-90	Determination of elemental impurities in plastic calibration standards using laser induced breakdown	7/20/2011	Geosciences Division	Approved
NETL-PUB-91	Characterization of Optical, Chemical, and Structural Changes upon Reduction of Sol-gel Deposited Sr	7/20/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-93	Flow Characterization Study in a Gas-Solid Fluidized Bed using an Electrical Capacitance Volume Tom	7/22/2011	Energy System Dynamics Division	Approved
NETL-PUB-94	Selective Electrocatalytic Activity of Ligand Stabilized Copper Oxide Nanoparticle	7/26/2011	Chemistry & Surface Science Division	Approved
NETL-PUB-95	Computational modeling of oxidation and corrosion of alloys in complex environment	7/26/2011	Materials Performance Division	Approved
NETL-PUB-98	Investigation of Solid-Solid Separation in a Bubbling Fluidized Bed Cold Mode	7/27/2011	Energy System Dynamics Division	Approved
NETL-PUB-99	The US Department of Energy's Industrial Carbon Capture Initiative (ICMI)	7/28/2011	Energy System Dynamics Division	Approved

NETL 17

Pub No	Title of Document	Created	Status	OSTI Keywords	OSTI Subject Area(s)
NETL-PUB-20046	Determination of elemental composition of shale rocks by laser induced breakdown spectroscopy (LIE	7/9/2015	Waiting for Supervisor Review	Shale analysis, laser induced breakdown spectroscopy, LIBS	36 - MATERIALS SCIENCE 54 - ENVIRONMENTAL SCIENCES 58 - GEOSCIENCES
NETL-PUB-20047	Determination of carbon isotopes in coal by laser ablation molecular isotope spectrometry (LAMIS)	7/9/2015	Waiting for Supervisor Review	Coal isotope analysis, LAMIS, carbon isotope, laser ablation molecular isotope spectrometry	36 - MATERIALS SCIENCE 54 - ENVIRONMENTAL SCIENCES 58 - GEOSCIENCES
NETL-PUB-20080	Improved Modeling of Naturally Fractured Reservoirs by Quantitatively Handling Flow Convergence ir	8/26/2015	Waiting for Supervisor Review	fractured reservoir flow, wellbore flow	03 - NATURAL GAS 58 - GEOSCIENCES
NETL-PUB-20101	Application of Laser Induced Breakdown Spectroscopy (LIBS) in analysis of groundwater and out crop	9/22/2015	Waiting for Supervisor Review	laser induced breakdown spectroscopy, LIBS, groundwater quality, marcellus shale	54 - ENVIRONMENTAL SCIENCES 58 - GEOSCIENCES
NETL-PUB-20180	Operating experience of a 50kWth methane chemical looping reactor	11/18/2015	Waiting for Supervisor Review	chemical looping, methane carrier reduction	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS 42 - ENGINEERING 54 - ENVIRONMENTAL SCIENCES
NETL-PUB-20181	APPLICATIONS OF TRIBOLOGY AND FRACTURE MECHANICS TO DETERMINE WEAR AND IMPACT ATTRI	11/18/2015	Waiting for Supervisor Review	TRIBOLOGY, FRACTURE MECHANICS, ATTRITION	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS 36 - MATERIALS SCIENCE 42 - ENGINEERING
NETL-PUB-20187	ESTIMATION OF SOLIDS DISPERSION IN A BUBBLING FLUIDIZED BED FROM AREA MEASUREMENTS OF	11/20/2015	Waiting for Supervisor Review	Solids Mixing, Solids Dispersion, Bubbling Fluidized Bed, High Speed Video Analysis.	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS
NETL-PUB-20249	Modeling Pressure Changes due to Migration of Fluids into the Above Zone Monitoring Interval of a G	1/20/2016	Waiting for Supervisor Review	CO2 storage, geologic storage, CCS, carbon capture and storage, reduced order modeling, ROM, risk assessment, monitoring	54 - ENVIRONMENTAL SCIENCES 58 - GEOSCIENCES
NETL-PUB-20285	Recovery of Rare Earth Elements from Coal and Coal Byproducts: What Have We Learned from the US	1/28/2016	Waiting for Supervisor Review	REE coal and coal byproducts	01 - COAL, LIGNITE, AND PEAT
NETL-PUB-20313	Numerical Error Estimation for Two-Fluid Simulations: A Case Study with Fluidized Beds	2/2/2016	Waiting for Supervisor Approval	Multiphase flow, Numerical error analysis	01 - COAL, LIGNITE, AND PEAT
NETL-PUB-20330	CFD modeling of the fuel reactor in NETL s 50 kw chemical looping facility	2/4/2016	Waiting for Supervisor Review	Chemical Looping, CFD Modeling, Hematite Reduction	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS
NETL-PUB-20334	Human Health and Environmental Impact Assessment of Cost-Optimal Shale Gas Water Management	2/9/2016	Waiting for Supervisor Review	water management, hydraulic fracturing	54 - ENVIRONMENTAL SCIENCES

NETL-PUB-20352	PARAMETRIC STUDIES OF HYDRAULIC FRACTURE PROPAGATION IN SHALE RESERVOIRS: Evaluation of	2/18/2016	Waiting for Supervisor Review	shale gas, hydraulic fracturing, fracture propagation, stimulation, geomechanics, sensitivity, stimulated reservoir volume, SRV	03 - NATURAL GAS 58 - GEOSCIENCES
NETL-PUB-20355	Size, Density and Electromagnetic Separations of Coal Fly Ash for Rare Earth Element Enrichment	2/19/2016	Waiting for Supervisor Review	REE	01 - COAL, LIGNITE, AND PEAT
NETL-PUB-20366	Viscosity Measurements of Two Potential Deepwater Viscosity Standard Reference Fluids at High Tem	2/22/2016	Waiting for Supervisor Review	Viscosity Standard Reference Fluids, High Temperature, High Pressure, Krytox, TOTM	02 - PETROLEUM
NETL-PUB-20383	Understanding phenomenon that impact multiphase fluids for CO2 sequestration	3/2/2016	Waiting for Supervisor Review	micro-computed tomography, carbon storage, contact angle, in situ conditions	58 - GEOSCIENCES
NETL-PUB-20384	Particulate Solid Attrition in CFB Systems – An Assessment for Emerging Technologies	3/3/2016	Waiting for Supervisor Review	Attrition	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS
NETL-PUB-20385	Reduction for Hematite Chemical Looping Combustion of Methane modeling with Barracuda	3/3/2016	Waiting for Supervisor Review	Chemical Looping, Reducer Modeling	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS
NETL-PUB-20386	Hydrodynamic characteristics of flat-base spouted fluid bed	3/3/2016	Waiting for Supervisor Review	Spouting bed Spouting velocity	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS
NETL-PUB-20387	Development of First Principles Attrition Model to Determine Solid Makeup Cost of Novel CFB Techno	3/3/2016	Waiting for Supervisor Review	Particle Attrition	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS
NETL-PUB-20393	Evaluation of a Rapid Airborne Method for Locating Legacy Wells in Pennsylvania	3/7/2016	Waiting for Supervisor Review	legacy wells, abandoned wells, orphaned wells, helicopter magnetic survey	03 - NATURAL GAS 02 - PETROLEUM
NETL-PUB-20420	Hydrodynamic Response of Sheared Shale Fractures	3/18/2016	Waiting for Supervisor Review	Computed tomography, local cubic law, fractured seals, fracture transmissivity	01 - COAL, LIGNITE, AND PEAT 04 - OIL SHALES AND TAR SANDS 25 - ENERGY STORAGE 58 - GEOSCIENCES
NETL-PUB-20445	A computational and experimental study of a High Velocity Oxy-Fuel System for MHD Generation syst	3/29/2016	Waiting for Supervisor Approval	MHD Generation, CFD, Experiments	20 - FOSSIL-FUELED POWER PLANTS 30 - DIRECT ENERGY CONVERSION 70 - PLASMA PHYSICS AND FUSION TECHNOLOGY 97 - MATHEMATICS AND COMPUTING
NETL-PUB-20458	Systems Analyses of Direct Power Extraction and Advanced Ultra-Supercritical Power Plants	8/2/2016	Waiting for Supervisor Review	advanced ultra-supercritical, AUSC, coal, direct power extraction, DPE, magnetohydrodynamics, MHD	30 - DIRECT ENERGY CONVERSION 20 - FOSSIL-FUELED POWER PLANTS

NETL-PUB-20474	Design and Operation of a 10 MWe Supercritical CO2 Recompression Brayton Power Cycle	4/11/2016	Waiting for Supervisor Review	Supercritical CO2, Brayton, Power Cycle, Recompression, Recuperation, Modeling, Simulation, Dynamics, Design, Operation	01 - COAL, LIGNITE, AND PEAT 03 - NATURAL GAS 20 - FOSSIL-FUELED POWER PLANTS 11 - NUCLEAR FUEL CYCLE AND FUEL MATERIALS 14 - SOLAR ENERGY 15 - GEOTHERMAL ENERGY 21 - SPECIFIC NUCLEAR REACTORS AND ASSOCIATED PLANTS 42 - ENGINEERING 97 - MATHEMATICS AND COMPUTING
NETL-PUB-20475	Surface seismic monitoring of hydraulic fracturing activity in Pennsylvania and West Virginia	4/13/2016	Waiting for Supervisor Review	Seismicity; hydraulic fracturing; Marcellus Shale	03 - NATURAL GAS 54 - ENVIRONMENTAL SCIENCES 58 - GEOSCIENCES
NETL-PUB-20491	Exploring the Temperature and Pressure Dependence of the Viscosities of Two Potential Deepwater V	4/25/2016	Waiting for Supervisor Review	Viscosity Standard, High Temperature, High Pressure, Hydrocarbon	02 - PETROLEUM 03 - NATURAL GAS
NETL-PUB-20494	The effect of riser end geometry on gas-solid hydrodynamics in a CFB riser operating above fast fluidi;	4/26/2016	Waiting for Supervisor Review	Riser; exit geometry, CFB, gas-solids hydrodynamics	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS
NETL-PUB-20502	Applications of tribology to determine attrition by wear of particulate solids in CFB systems	4/29/2016	Waiting for Supervisor Review	tribology; attrition; CFB systems	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS
NETL-PUB-20518	Optimal Scheduling of Advanced Energy Plants with CO2 Capture	5/9/2016	Waiting for Supervisor Review	CO2 Capture, Scheduling, Load-Following, Cycling, Optimization, Control, Dispatch, IGCC	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS 42 - ENGINEERING 54 - ENVIRONMENTAL SCIENCES 97 - MATHEMATICS AND COMPUTING
NETL-PUB-20542	Fundamentals of rotating fluidized beds and application to particle separation	5/17/2016	Waiting for Supervisor Review	Fluidization, Rotating Bed, Ash Separation, Carbon Capture, Chemical Looping	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS
NETL-PUB-20543	Operating Experience of a 50kWth Methane Chemical Looping Reactor	5/17/2016	Waiting for Supervisor Review	Chemical Looping, hematite, methane	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS
NETL-PUB-20544	Development of a Carbon Stripper Particle Separation System for Chemical Looping Applications	5/17/2016	Waiting for Supervisor Approval	Chemical Looping, carbon recovery, carbon stripper	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS

NETL-PUB-20571	Non-intrusive Uncertainty Quantification of Computational Fluid Dynamics Simulations of a Bench-sca	5/19/2016	Waiting for Supervisor Review	Uncertainty quantification, CFD, Gasification	01 - COAL, LIGNITE, AND PEAT
NETL-PUB-20575	The Marcellus Shale Energy and Environment Laboratory (MSEEL)	5/20/2016	Waiting for Supervisor Approval	Marcellus Shale	03 - NATURAL GAS 58 - GEOSCIENCES
NETL-PUB-20588	In-situ measurements of calcium carbonate dissolution under rising CO2 pressure using underwater la	5/27/2016	Waiting for Supervisor Review	underwater LIBS, laser induced breakdown spectroscopy, LIBS	54 - ENVIRONMENTAL SCIENCES 58 - GEOSCIENCES
NETL-PUB-20591	Greenhouse gas molecule CO2 detection using a capacitive micromachined ultrasound transducer (CM	5/31/2016	Waiting for Supervisor Review	Greenhouse gas, Carbon Dioxide, capacitive micromachined ultrasound transducer	36 - MATERIALS SCIENCE 54 - ENVIRONMENTAL SCIENCES 77 - NANOSCIENCE AND NANOTECHNOLOGY
NETL-PUB-20602	Development and Verification of a Dynamic Model for a Cold Flow Circulating Fluidized Bed	6/2/2016	Waiting for Supervisor Review	Circulating Fluidized Bed; Dynamic Modeling	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS
NETL-PUB-20604	Chapter 2: Greenhouse Gases, and Their Role in Global Warming	6/2/2016	Waiting for Supervisor Review	CO2, greenhouse gasses, GHGs, radiative forcing, anthropogenic emissions	54 - ENVIRONMENTAL SCIENCES 99 - GENERAL AND MISCELLANEOUS
NETL-PUB-20610	Development of a Lab-Scale Experimental Testing Platform for Rotating Detonation Engine Inlets	6/6/2016	Waiting for Supervisor Approval	RDE, detonation, inlet, 3D printing, additive manufacturing, Schlieren, high-speed video	03 - NATURAL GAS 20 - FOSSIL-FUELED POWER PLANTS 33 - ADVANCED PROPULSION SYSTEMS
NETL-PUB-20631	Polymeric and Small Molecule Thickeners for CO2, Ethane, Propane, and Butane for Improved Mobilit	6/24/2016	Waiting for Supervisor Review	CO2, mobility control, EOR, small molecule thickeners	02 - PETROLEUM
NETL-PUB-20639	The successful development of shale gas resources in the United States	6/23/2016	Waiting for Supervisor Review	shale gas, hydraulic fracturing	02 - PETROLEUM 03 - NATURAL GAS 58 - GEOSCIENCES
NETL-PUB-20647	Computational and Experimental Study of Gas-Liquid Fluid Flows through Flow Cells	6/27/2016	Waiting for Supervisor Approval	Gas-Liquid Fluid Flows, Flow cell, Computation, experimental	58 - GEOSCIENCES 54 - ENVIRONMENTAL SCIENCES 01 - COAL, LIGNITE, AND PEAT
NETL-PUB-20648	Computational Modeling of Fluid and Particle Flows in Rock Fractures	6/27/2016	Waiting for Supervisor Review	Computational fluid dynamics, fracture flow, proppant transport, multiphase	03 - NATURAL GAS 58 - GEOSCIENCES
NETL-PUB-20668	Influence of CO2 pressure on the emission spectra and plasma parameters in underwater laser-induc	7/8/2016	Waiting for Supervisor Review	LIBS, laser induced breakdown spectroscopy, carbon sequestration, subsurface monitoring	36 - MATERIALS SCIENCE 54 - ENVIRONMENTAL SCIENCES 58 - GEOSCIENCES
NETL-PUB-20669	Laser-Induced Breakdown Spectroscopy: Application to Powder Samples	7/8/2016	Waiting for Supervisor Review	LIBS, laser induced breakdown spectroscopy, powder analysis	36 - MATERIALS SCIENCE 54 - ENVIRONMENTAL SCIENCES 58 - GEOSCIENCES

NETL-PUB-20670	Dissolution of mineral carbonates with increasing CO2 pressure and the implications for carbon seque	7/8/2016	Waiting for Supervisor Approval	LIBS, laser induced breakdown spectroscopy, subsurface monitorings	36 - MATERIALS SCIENCE 54 - ENVIRONMENTAL SCIENCES 58 - GEOSCIENCES
NETL-PUB-20677	Fracture Shearing Impact on Fluid Flow	7/12/2016	Waiting for Supervisor Approval	Laboratory fracture experiments; fracture transmissivity; fracture flow.	58 - GEOSCIENCES
NETL-PUB-20678	NETL Fundamentals of Shale Work	7/12/2016	Waiting for Supervisor Review	fundamentals of shale	03 - NATURAL GAS 04 - OIL SHALES AND TAR SANDS 58 - GEOSCIENCES
NETL-PUB-20679	A novel approach to turbulent multiphase flow imaging: Flow in 3D printed karstic conduits	7/12/2016	Waiting for Supervisor Approval	3D Printing of Flow Channels	58 - GEOSCIENCES
NETL-PUB-20680	CFPD analysis of a vortexing bed riser system	7/13/2016	Waiting for Supervisor Approval	Vortex, CFB, Fluidization	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS
NETL-PUB-20681	L-Valve Investigation for Chemical Looping Reactor Implementation	7/13/2016	Waiting for Supervisor Approval	L-Valve, Chemical Looping, CFB	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS
NETL-PUB-20683	Experimental Study on the Effects of Cone Angle and Gas Inlet Diameter on the Minimum Spouting Ve	7/13/2016	Waiting for Supervisor Approval	Spouting bed, jet behavior	01 - COAL, LIGNITE, AND PEAT 20 - FOSSIL-FUELED POWER PLANTS
NETL-PUB-20685	Coarse grained particle method for simulation of liquid-solids reacting flows	7/14/2016	Waiting for Supervisor Review	Rare Earth Elements, CFD, discrete particle method, computation	37 - INORGANIC, ORGANIC, PHYSICAL, AND ANALYTICAL CHEMISTRY 42 - ENGINEERING 97 - MATHEMATICS AND COMPUTING 99 - GENERAL AND MISCELLANEOUS
NETL-PUB-20686	Modeling and Simulation of Rare Earth Element Extraction by Ion Exchange Reaction in Batch Reactor	7/14/2016	Waiting for Supervisor Review	Rare earth elements, Leaching aqueous solution, computational fluid dynamics	37 - INORGANIC, ORGANIC, PHYSICAL, AND ANALYTICAL CHEMISTRY 42 - ENGINEERING 97 - MATHEMATICS AND COMPUTING 99 - GENERAL AND MISCELLANEOUS
NETL-PUB-20709	Impacts of variability in hydrate distribution on the mechanical behavior hydrate bearing sediments	7/28/2016	Waiting for Supervisor Review	hydrate, mechanical behavior	03 - NATURAL GAS
NETL-PUB-20711	Pressure and Saturation Evolution on Injecting CO2: Impact of Reservoir Size, Heterogeneity and Injec	7/28/2016	Waiting for Supervisor Review	carbon storage, risk, reservoir, pressure, saturation	58 - GEOSCIENCES
NETL-PUB-20721	Comparison of Pore-Network and Lattice Boltzmann Models for Pore-Scale Modeling of Geological St	8/3/2016	Waiting for Supervisor Approval	CT scanning, pore-scale modeling, multiphase flow	58 - GEOSCIENCES

NETL-PUB-20729	Subsurface trend analysis, a multi-variate geospatial approach for evaluation of geologic properties ar	8/10/2016 Waiting for Supervisor Review	subsurface; big data; spatial analysis; hybrid; uncertainty reduction	03 - NATURAL GAS 02 - PETROLEUM 15 - GEOTHERMAL ENERGY 54 - ENVIRONMENTAL SCIENCES 58 - GEOSCIENCES
NETL-PUB-20730	Geophysical and Geochemical Aspects of Pressure and CO2 Saturation Modeling due to Migration of f	8/11/2016 Waiting for Supervisor Approval	CO2 storage, CCS, geologic storage,	54 - ENVIRONMENTAL SCIENCES 58 - GEOSCIENCES
NETL-PUB-20731	Spatial and Temporal Monitoring Resolutions for CO2 Leakage Detection at Carbon Storage Sites	8/11/2016 Waiting for Supervisor Approval	risk assessment, monitoring, strategic monitoring, integrated assessment	54 - ENVIRONMENTAL SCIENCES 58 - GEOSCIENCES
NETL-PUB-20732	Probabilistic Assessment of CO2 Leakage Detection Using 3D Surface Seismic Monitoring Two-Way Tr	8/11/2016 Waiting for Supervisor Approval	CO2 storage, CCS, monitoring, 3D seismic, travel time, PCE, polynomial chaos expansion	54 - ENVIRONMENTAL SCIENCES 58 - GEOSCIENCES 97 - MATHEMATICS AND COMPUTING
NETL-PUB-20733	Probabilistic Assessment of Above Zone Pressure Predictions at a Geologic Carbon Storage Site	8/11/2016 Waiting for Supervisor Review	CO2 storage, risk assessment, above zone monitoring interval, AZMI, monitoring, uncertainty quantification, sensitivity analysis, arbitrary polynomial chaos, aPC	54 - ENVIRONMENTAL SCIENCES 58 - GEOSCIENCES
NETL-PUB-20734	DYNAMIC PROCESS MODEL OF A MULTI-STAGE CENTRIFUGAL COMPRESSOR FOR USE IN A SUPERCRIT	8/11/2016 Waiting for Supervisor Approval	supercritical CO2, compressor, dynamic model	20 - FOSSIL-FUELED POWER PLANTS
NETL-PUB-20736	Methane Emissions from Abandoned Oil and Gas Wells in Western Pennsylvania	8/12/2016 Waiting for Supervisor Approval	abandoned wells, legacy wells, methane emissions	03 - NATURAL GAS 54 - ENVIRONMENTAL SCIENCES
NETL-PUB-20737	Atmospheric gas concentrations in the pre- and post- production phases of an unconventional oil and	8/12/2016 Waiting for Supervisor Approval	Marcellus Shale, unconventional natural gas, natural gas, hydraulic fracturing, methane	03 - NATURAL GAS 54 - ENVIRONMENTAL SCIENCES
NETL-PUB-20738	Air quality and greenhouse gas impacts from Unconventional Natural Gas (UNG) development	8/12/2016 Waiting for Supervisor Approval	unconventional natural gas, methane, greenhouse gases, air quality, air monitoring	03 - NATURAL GAS 54 - ENVIRONMENTAL SCIENCES
NETL-PUB-20739	Comparison of Pore-Network and Lattice Boltzmann Models for Pore-Scale Modeling of Geological St	8/12/2016 Waiting for Supervisor Approval	Pore-Network Model, Lattice Boltzmann Method, Geological Storage of CO2, Mount Simon Sandstone, Relative Permeability, Capillary Pressure, Pore-Scale Modeling	58 - GEOSCIENCES
NETL-PUB-20741	A Strategy for the Development of Stranded Gas in Shale Plays	8/17/2016 Waiting for Supervisor Approval	gas, Niobrara	03 - NATURAL GAS 58 - GEOSCIENCES

Statistics relevant to TPR 2.0

Item	Number
Total numbers of individuals who have submitted works for review*	108
Total number of works submitted for review*	509
Number of submissions pending supervisor action	69
Business days to finalize document, where finalize means submission was submitted to journal or uploaded to OSTI (which requires a citation). Supervisory approval is required prior to either step.	105
*includes conference abstracts and presentations, conference proceedings, journal manuscripts, book chapters	

TPR No	Title	Organization	Focus Area
TPR-2393	Crossover form fractal advance to compact advance: Predictions, modeling and experiment	650 - Geosciences	
TPR-2395	Photonic-bandgap-fiber sensors for gas detection	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2397	Adaptive PID Control	670 - Computational Science	Computational & Basic Science
TPR-2398	Oil shale: A retrospective look. 1. Technologies for extraction & oil recovery	670 - Computational Science	Computational & Basic Science
TPR-2407	A novel CO2 capture process integrating amine-based scrubbing with chemical regeneration of spent amine and thermal regeneration of a phase-separation reagent	650 - Geosciences	Geological & Environmental Science
TPR-2410	Numerical Studies of Thermal Stimulation Effects on Methane Production Induced by Depressurization in a Reactor Containing Hydrate-Bearing Porous Media	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-2418	A 2000 year varve-based climate record from the central Brooks Range, Alaska	640 - Environmental Science	Geological & Environmental Science
TPR-2430	Effect of electrical current on SOFC metallic interconnect oxidation in syngas	606 - University Collaboratory	Energy System Dynamics
TPR-2431	Effect of H2S on the performance of Pd4Pt alloy membranes	660 - Chemistry Surfaces Science	
TPR-2436	National Risk Assessment Program: Protecting Groundwater Resources	650 - Geosciences	Geological & Environmental Science
TPR-2447	NETL Extreme Drilling Laboratory Studies High Pressure High Temperature Drilling Phenomena	630 - Engineering Research; 605 - Earth and Mineral Sciences	ERD
TPR-2451	Parametric Study of Solid Amine Sorbents for the Capture of Carbon Dioxide	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2452	Molecular dynamics simulations of methane hydrate decomposition	605 - Earth and Mineral Sciences	
TPR-2455	Stability analysis of doped materials for reversible hydrogen storage in destabilized metal hydrides		
TPR-2456	Design and Evaluation of Non-fluorous CO2-Soluble Polymers		
TPR-2457	Influence of Tert-Amine Groups on the Solubility of Polymers in CO2		
TPR-2458	Enhancement of Adsorption Inside Single Walled Carbon Nanotubes--Li Doping Effect on n-Heptane van der Waals Bonding		
TPR-2459	Atomically-detailed models of gas mixture diffusion through CuBTC membranes		
TPR-2460	Assessing nanoparticle size effects on metal hydride thermodynamics using the Wulff construction		
TPR-2461	Influence of Surface Reactions on Complex Hydride Reversibility		
TPR-2462	Vibron hopping and bond anharmonicity in hot dense hydrogen	660 - Chemistry Surfaces Science	
TPR-2463	The importance of charge-quadrupole interactions for H2 adsorption and diffusion in CuBTC		
TPR-2464	Progress, Opportunities, and Challenges for Applying Atomically Detailed Modeling to Molecular Adsorption and Transport in Metal-Organic Framework Materials	660 - Chemistry Surfaces Science	
TPR-2465	Testing the Accuracy of Correlations for Multicomponent Mass Transport of Adsorbed Gases in Metal-Organic Frameworks		
TPR-2466	Large-scale screening of metal hydride mixtures for high-capacity hydrogen storage from first-principles calculations	660 - Chemistry Surfaces Science	
TPR-2467	DFT characterization of adsorption and diffusion mechanisms of H, As, S, and Se; on the zinc orthotitanate(010) surface	660 - Chemistry Surfaces Science	
TPR-2468	Thermal Conductivity of Methane Hydrate from Experiment and Molecular Simulation	660 - Chemistry Surfaces Science	
TPR-2469	Identification of Destabilized Metal Hydrides for Hydrogen Storage Using First Principles; Calculations	660 - Chemistry Surfaces Science	
TPR-2472	Selective growth of Fe2O3 nanoparticles and islands on Au (111)	600 - Office of Research & Development	Materials Science
TPR-2487	Hydrogen production from coal/biomass and waste gas via sorption-enhanced WGS reaction and catalytic decomposition of hydrogen sulfide	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2500	Heat transfer for alternative fuels and engine cycles	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2504	Hydrogen Sulfide and Carbon Dioxide Removal from Fuel Gas Streams Using and Ionic Liquid as a Physical Solvent	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2505	Modeling, Identification, and Control of a Cold Flow Circulating Fluidized Bed: A Thesis	670 - Computational Science	Computational & Basic Science
TPR-2507	First Principle Analysis of the Interaction of Carbon Dioxide with Functionalized Tertiary Amidines	606 - University Collaboratory	Energy System Dynamics
TPR-2508	Modeling of particle trajectories of coal size and density fractions in a gasifier: A Thesis	670 - Computational Science	Computational & Basic Science
TPR-2509	Ab initio Calculations to Determine the Optimal Conditions for a Given CO2 Capture Sorbent	606 - University Collaboratory	Energy System Dynamics
TPR-2510	The interaction of spherical Al2O3 particles with molten Al2O3-CaO-FeOx-SiO2 slags	670 - Computational Science	Computational & Basic Science
TPR-2513	Scalar filtered density function for large eddy simulation of a bunsen burner	620 - Energy Systems Dynamics; 606 - University Collaboratory	Energy System Dynamics
TPR-2515	Carbon Capture Possibilities through Electrochemical Air Separation and Oxy-Fuel Combustion	606 - University Collaboratory	Energy System Dynamics
TPR-2519	Numerical simulations examining the relationship between wall roughness and fluid flow on rock fractures	650 - Geosciences	Geological & Environmental Science

TPR-2523	Experimentally measured interfacial area during lateral air injection into a water-saturated porous media	650 - Geosciences	Geological & Environmental Science
TPR-2525	Characterization of Mn-Co Electrodeposition Process by QCM	606 - University Collaboratory	Materials Science
TPR-2527	Photoinduced Electron Paramagnetic Resonance Study of Electron Traps in TiO2 Crystals: Oxygen Vacancies and Ti3+ Ions	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2528	Impact of fuel contaminants on performance in coal-based SOFCs	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2529	CO2-Photo-catalytic reduction: Characterization of Fe-doped-TiO2	610 - Separations Fuels Processing	Materials Science
TPR-2530	Adsorpton and Diffusion of Light Gases in ZIF-68 and ZIF-70: A Simulation Study	606 - University Collaboratory	Computational & Basic Science
TPR-2535	A lifting methodology for airfoils in hydrogen-fired and oxy-fuel turbines: Creep damage	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2538	On the effect of sub-grid drag closures	670 - Computational Science	Computational & Basic Science
TPR-2540	Mn-Co electroplating on SS for SOFC interconnects	620 - Energy Systems Dynamics	Materials Science
TPR-2545	First Principles Study of Vacancy and Tungsten Diffusion in fcc Cobalt	606 - University Collaboratory	Computational & Basic Science
TPR-2547	Towards the development of graphitic nanocapsules as storage media with toxicity mitigation	606 - University Collaboratory	Geological & Environmental Science
TPR-2548	Theoretical Screening of Oxides and Hydroxides for CO2 Sorbents	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-2552	Elastic and Thermodynamic Properties of Cr-V Binary Alloys Predicted from First Principles Calculations	690 - Process Development	Computational & Basic Science
TPR-2554	Technology Transfer Success (2 posters)	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2560	Develop novel coatings for SOFC interconnect	620 - Energy Systems Dynamics	
TPR-2562	Exploratory design study on reactor configurations for carbon dioxide capture from conventional power plants employing regenerable solid sorbents	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2566	Modeling CO2 capture by molecular organic frameworks	660 - Chemistry Surfaces Science	
TPR-2567	Preliminary Evaluation of Coal-and Biomass-derived Chars as Beneficial Soil Amendments	650 - Geosciences	
TPR-2568	Soil Quality of Landfarms Used for Oil Bioremediation in Northwest Pennsylvania	650 - Geosciences	
TPR-2569	Detection of Lead Mobilization from Soil at an Abandoned Sulfuric Acid Recycling Plant Using Rock Phosphate-Immobilized Gel Beads	650 - Geosciences	
TPR-2570	Composition Spread Alloy Films for High-Throughput Characterization of PdxCu100-x	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-2574	Exceptional High-temperature Stability through "Distillative" Self-stabilization in Bimetallic Nanoparticles	606 - University Collaboratory	Materials Science
TPR-2575	The Interface Between Refractory Liners and Molten Slags in Fuel Flexible Gasifiers	606 - University Collaboratory	Materials Science
TPR-2589	Thermodynamic Assessment of CR-Rare Earth Systems	690 - Process Development	Computational & Basic Science
TPR-2594	Materials and component development for advanced turbine systems	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2595	Aerothermal modeling and experiments of turbine airfoils	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2597	Airfoil life prediction modeling	606 - University Collaboratory	Energy System Dynamics
TPR-2598	A load-based depth-sensing indentation technique for NDE and damage assessment of TBC's	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2602	Mechanism of Shell Growth on Pt@Fe Nanoparticles	606 - University Collaboratory	Materials Science
TPR-2603	Advanced APS thermal barrier coatings	606 - University Collaboratory	
TPR-2610	Photo-electro-catalytic-reduction of CO2: Catalyst characterization	610 - Separations Fuels Processing	
TPR-2614	Develop novel coatings for SOFC interconnect	620 - Energy Systems Dynamics	
TPR-2615	Minimization of fresh water consumption for pulverized coal (PC) power plants	670 - Computational Science	Computational & Basic Science
TPR-2616	Nondestructive Evaluation of Thermal Barrier Coatings using Acousto-Ultrasonic Techniques	610 - Separations Fuels Processing	Materials Science
TPR-2617	Lean-burn stationary natural gas engine operation with a prototype laser spark plug (ICES2009-76013)	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2619	Fundamental Studies on Controlling Scale Growth in Alloys through Additions of Reactive Elements	606 - University Collaboratory	Materials Science
TPR-2621	Over-layer on TBC for increasing TBC thermal insulation	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2622	Advanced APS thermal barrier coatings	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2623	Development of diffusion barrier coatings for high temperature applications	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2624	A Superstructure-based Optimal Synthesis of PSA Cycles for Pre-Combustion CO2 Capture	606 - University Collaboratory	Computational & Basic Science
TPR-2626	Effects of Oxyfuel Atmospheres and Surface Deposits on Alloy Corrosion	606 - University Collaboratory	Materials Science
TPR-2627	A superstructure-based optimal synthesis of PSA cycles for pre-combustion CO2 cpture	670 - Computational Science	Computational & Basic Science
TPR-2628	North Dakota lignite and Pittsburgh bituminous coal: a comparative analysis in application to CO2 Sequestration.	650 - Geosciences	
TPR-2629	Effects of Water-table and Topography on the Near-Surface Migration of Injected CO2	606 - University Collaboratory	Geological & Environmental Science

TPR-2636	Velocity measurements in reservoir samples from the SACROC unit using various pore fluids, and integration into a seismic survey taken before and after a CO2 sequestration flood.	650 - Geosciences	Geological & Environmental Science
TPR-2638	Solubility of CO2 in CO2-philic Oligomers; COSMOtherm Predictions and Experimental Results	606 - University Collaboratory	Energy System Dynamics
TPR-2639	Characterization of ZnO nanoparticle suspension in water: Effectiveness of ultrasonic dispersion	650 - Geosciences	Geological & Environmental Science
TPR-2643	Nanocomposite Oxygen Carriers for Chemical Looping Combustion of Sulfur Contaminated Synthesis Gas	606 - University Collaboratory	Energy System Dynamics
TPR-2644	Mount Elbert Well, A review of coring operations and sediment core lithostratigraphy	605 - Earth and Mineral Sciences	
TPR-2645	Pore fluid geochemistry from the Mount Elbert gas hydrate stratigraphic test well	605 - Earth and Mineral Sciences	
TPR-2646	Comparison of the Properties of Xenon, Methane, and Carbon Dioxide Hydrates from Equilibrium and Nonequilibrium Molecular Dynamics Simulations	606 - University Collaboratory	Geological & Environmental Science
TPR-2648	Reforming Liquid Hydrocarbons with Ni-substituted Barium Hexaaluminates: Effect of Oxygen-Conducting Support	610 - Separations Fuels Processing	Geological & Environmental Science
TPR-2649	Nonlinear Fluid Flow Over a Wavy Surface	606 - University Collaboratory	Geological & Environmental Science
TPR-2650	Development of a Transferable Reactive Force Field for Cobalt	606 - University Collaboratory	Energy System Dynamics
TPR-2654	Intrinsic properties of sediment from the BPXA-DOE Mount Elbert gas hydrate research well	605 - Earth and Mineral Sciences	
TPR-2656	Decorated carbon nanotubes with unique oxygen sensitivity	620 - Energy Systems Dynamics	
TPR-2657	Hydrogen Dissociation on Pd4S Surfaces	606 - University Collaboratory	Computational & Basic Science
TPR-2659	Sorption-enhanced water gas shift reaction by novel solid sorbents	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2661	Mapping Near-Surface Electromagnetic Properties by Airborne Surveys to Improve Water Management from Gas Production in the Powder River Basin	640 - Environmental Science	Geological & Environmental Science
TPR-2662	Radiation modeling in oxy-fuel combustion	670 - Computational Science	Computational & Basic Science
TPR-2663	Advanced APS Thermal Barrier Coatings	606 - University Collaboratory	Materials Science
TPR-2664	Effects of Carbon Dioxide and Water Vapor on Selective Oxidation of Fe-Cr Base Alloys Relevant to Oxyfuel Combustion	606 - University Collaboratory	Materials Science
TPR-2665	The Impact of moisture on the energetics for an amine-based sorbent used for carbon dioxide capture	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2666	Proof-of-concept testing with an electrochemical cell for carbon dioxide separation from flue gas	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2670	The role of solid oxide fuel cells in advanced hybrid power systems of the future	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2676	Origin of photocatalytic activity of nitrogen-doped TiO2 nanobelts	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2681	Mechanism for the Dynamic Adsoprtion of CO2 and CH4 in a Flexible Linear Chain Coordination Polymer as Determined from In-Situ Infrared spectroscopy	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-2684	Flexible capacitive sensor for circumferential detection of defects in buried natural gas plastic pipelines	630 - Engineering Research	
TPR-2688	The Evolution of Oxide Ridges During Scaling of Fe-22wt%Cr Alloys	606 - University Collaboratory	Materials Science
TPR-2690	Stability of a Class of Discrete Nonlinear Recrusive Observers	606 - University Collaboratory	Computational & Basic Science
TPR-2691	Ionic liquid membranes for carbon dioxide separation	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2692	Shape-enhanced photocatalytic activity of single-crystalline anatase TiO1 (101) nonobelts	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2693	Development of Rock Phosphate-Agarose Gel Beads to Monitor the Release of Lead into Stream Water from a Contaminated Industrial Site	650 - Geosciences	Geological & Environmental Science
TPR-2694	Thermal regime of the Trough Creek Ice Mine, Huntingdon County, Pennsylvania	650 - Geosciences	Geological & Environmental Science
TPR-2696	Synthesis and Characterization of a New One-Dimensional Nanoporous Material: Zn(tbip)	606 - University Collaboratory	Computational & Basic Science
TPR-2697	Gas hydrate: Energy potentiality and environmental liability	605 - Earth and Mineral Sciences	
TPR-2701	Robust nonlinear model predictive control based on discrete nonlinear extended observers	606 - University Collaboratory	Computational & Basic Science
TPR-2704	Convection-radiation heat transfer in a nonlinear fluid with temperature-dependent viscosity	670 - Computational Science	Computational & Basic Science
TPR-2705	Use of piezoelectric pressure tranducers to determine local solids mass flux in the riser of a cold flow circulating fluidized bed	670 - Computational Science	Computational & Basic Science
TPR-2714	Post and pre-stack seismic reflection data processing of a 3D reflection seismic survey over a CO2 injection	606 - University Collaboratory	Geological & Environmental Science
TPR-2715	Advanced Analysis of SEM and CT SACROC limestone imagery to obtain porosity statistics (pore percentages, sizes, and connectivity) for use in chemical and geophysical modeling	606 - University Collaboratory	Geological & Environmental Science

TPR-2716	Velocity measurements in reservoir rock samples from the SACROC unit and integration into a 4D seismic survey of a CO2 sequestration flood	606 - University Collaboratory	Geological & Environmental Science
TPR-2721	The effects of changing apertures on the transmissivity of rough fractures	650 - Geosciences	Geological & Environmental Science
TPR-2723	Prediction of CO2 Solubility in Oligomers	606 - University Collaboratory	Computational & Basic Science
TPR-2724	A mechanistic study on the reaction of monoethanolamine (MEA) with CO2 in aqueous solution	606 - University Collaboratory	Computational & Basic Science
TPR-2729	Visible light photoreduction of CO2 using CdSe/Pt/TiO2 heterostructured catalysts	660 - Chemistry Surfaces Science	Materials Science
TPR-2732	First Principles Study of Cr-Ti Binary System	690 - Process Development	Materials Science
TPR-2733	Role of lattice oxygen in the partial oxidation of methane over Rh/supported ceria catalysts isotopic studies	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2734	Hydrogen production over Ni/ceria supported catalysts by partial oxidation of methane	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2735	Fe-doped-TiO2 characterization: CO2 photo-catalytic activation	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2736	Perovskite Catalyst Design for Electrochemical Oxygen Separation	606 - University Collaboratory	Energy System Dynamics
TPR-2738	Conversion of a TEM10 beam into two nearly Gaussian beams	606 - University Collaboratory	Energy System Dynamics
TPR-2740	Preparation and characterization of Fe304 (111) nanoparticles and thin films on Au (111)	660 - Chemistry Surfaces Science	Materials Science
TPR-2741	Synthesis and Rheological Properties of cation-exchanged Laponite suspensions	XST40	
TPR-2742	Mono-and terfluorene oligomers as versatile sensitizers for the luminescent Eu3+ cation.	650 - Geosciences	Geological & Environmental Science
TPR-2743	Biochar, biodiversity and greenroofs:Carbon sequestration and environmental conservation in urban environments	650 - Geosciences	Geological & Environmental Science
TPR-2744	Strontium isotope quantification of deep brine and shallow acidic coal mine drainage inputs to high TDS gas well discharges in western Pennsylvania	650 - Geosciences	Geological & Environmental Science; Geological & Environmental Science
TPR-2745	Sulfate removal from oil shale retort water and electricity generation using microbial fuel cells: Effects of carbon:sulfate ratio and reactor configuration	650 - Geosciences	Geological & Environmental Science
TPR-2746	Laser spark plug development and engine testing: Design of a diode side pumped solid state passively Q-switched laser for use as an ignition source for a lean-burn stationary natural gas engine	650 - Geosciences	Geological & Environmental Science
TPR-2747	Velocity measurements in reservoir rock samples from the SACROC unit using various pore fluids and integratio into seismic survey taken before and after CO2 sequestration flood	650 - Geosciences	Geological & Environmental Science
TPR-2748	Lean-burn stationary natural gas reciprocating engine operation with a prototype fiber couples diode end pumped passively Q-switched laser spark plug	650 - Geosciences	Geological & Environmental Science
TPR-2749	Radio frequency plasma spark plug development and engine testing: Design of a quarter-wave coaxial cavity resonator for use as an ignition source for an internal combustion engine	640 - Environmental Science	Geological & Environmental Science
TPR-2751	Lean-burn stationary natural gas engine operation with a prototype laser spark plug	650 - Geosciences	Geological & Environmental Science
TPR-2752	North Dakota lignite and Pittsburgh bituminous coal: A comparative analysis in application to CO2 sequestration	650 - Geosciences	Geological & Environmental Science
TPR-2754	Carbon dioxide transport and sorption behavior in confined coal cores for carbon sequestration	640 - Environmental Science	Geological & Environmental Science
TPR-2756	Partial oxidation of liquid hydrocarbons in the presence of oxygen-conducting supports for solid oxide fuel cells: Effect of catalyst layer deposition	610 - Separations Fuels Processing	
TPR-2757	Derivative-free optimization: A review of algorithms and comparison of software implementations	606 - University Collaboratory	Geological & Environmental Science
TPR-2758		650 - Geosciences	Geological & Environmental Science
TPR-2759	Comparison of experimental and numerical two-phase flows in a porous micro-model	650 - Geosciences	Geological & Environmental Science
TPR-2761	New title: Two-phase flow in porous media: Predicting its dependency on capillary number and viscosity ratio. Previously titled: Crossover from fractal viscous fingering to compact invasion for drainage: modeling and experiment	650 - Geosciences	Geological & Environmental Science
TPR-2764	Flow simulations for carbon sequestration at a coal-seam pilot site	650 - Geosciences	Geological & Environmental Science
TPR-2765	The role of geology and shallow lithostrigraphy in the distribution of methane flux through shallow sediments across the Beaufort Shelf of Alaska	605 - Earth and Mineral Sciences	
TPR-2771	Accelerating clean and efficient coal gasifier designs with high performance computing	670 - Computational Science	Computational & Basic Science
TPR-2772	Robust stability of nonlinear model predictive control with extended Kalman filter and target setting	606 - University Collaboratory	Computational & Basic Science
TPR-2773	Thin Films of Single-walled Carbon Nanotubes for Flexible Electronic Device Applications	660 - Chemistry Surfaces Science	Materials Science
TPR-2775	Localization of Frontier Orbitals on Anatase Nanoparticles Impacts Water Adsorption	606 - University Collaboratory	Energy System Dynamics
TPR-2776	Where are the active sites of anatase nanoparticles?	606 - University Collaboratory	Materials Science
TPR-2781	Coal-gas Interaction: Implications of changes in texture and porosity	650 - Geosciences	Geological & Environmental Science

TPR-2782	Synthesis-structure-property relationships for hyperbranched aminosilica CO2 adsorbents	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2783	NETL amine-based solid sorbents for capture of CO2	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2786	Designing amine-based solid sorbents for post combustion carbon dioxide capture	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2787	Single crystalline La0.5SR0.5MnO3 microcubes as cathode of solid oxide fuel cell. PREVIOUSLY TITLED: Electrochemical oxygen reduction properties of LSM microcubes	606 - University Collaboratory	Energy System Dynamics
TPR-2788	Modeling and Simulation of the Chemical Looping Combustion Reactor	606 - University Collaboratory	Computational & Basic Science
TPR-2799	Characterizing the correlations of failure events: A 2-d block and springs model	650 - Geosciences	Geological & Environmental Science
TPR-2802	Catalytic cycloaddition of CO2 to epoxide over Pt nanoparticles supported on self assembled coordination polymers	610 - Separations Fuels Processing	Materials Science
TPR-2803	Influence of a chelating agent on activity of SiO2 supported cobalt catalyst for Fischer-Tropsch synthesis	610 - Separations Fuels Processing	Materials Science
	Oligomers" Barilias, M.K.; Enick, R.; Luebke, D.; Morreale, B. 606 - University Collaboratory Yes No No No Spring Meeting of American Chemical Society in San Francisco, CA, March 21-25, 2010 03/21/2009 In the proceedings of the Spring Meeting of the American Chemical Society in San Francisco, CA, march 21-25, 2010 Materials Science Presentation to be given by Bob Enick, University of Pittsburgh		
	TPR-2804 Hydrogenation of Carbon Dioxide to methanol over Multicomponent Copper-based Catalysts Natesakhawat, S.; Morreale, B. 660 - Chemistry Surfaces Science Yes No No No Spring 2010 National Meeting of the American Chemical Society, San Francisco, CA, March 21-25, 2010 03/21/10 Materials Science		
	TPR-2803 Influence of a chelating agent on activity of SIO2 supported cobalt catalyst for Fischer-Tropsch synthesis Bambal, A.; Gardner, T.; Kugler, E.; Dadyburjora, D. 610 - Separations Fuels Processing Yes Yes Yes ACS National Meeting, San Francisco, CA, March 21-25, 2010 03/21/2010 Materials Science Prepr. Pap-Am. Chem. Soc. Div. Petr. Chem. 2010, 55 (1), 155		
	TPR-2802 Catalytic cycloaddition of CO2 to epoxide over Pt nanoparticles supported on self assembled coordination polymers Abdelsayed, V.; Gardner, T. 610 - Separations Fuels Processing Yes Yes Yes ACS National Meeting, San Francisco, CA, March 21-25, 2010 03/21/2009 Materials Science		
	TPR-2801 Statistical formulation of a design basis equation for the dense entry region of an asymmetrically loaded cold flow CFB rser using a tracer gas Dastane, R.; Shadle, L.; Johnson, E. 670 - Computational Science Yes Yes Yes International Conference on Multiphase Flow 2010 (ICMF - 2010) Tampa Bay, FL, May 30 - June 4, 2010 05/30/2010 Computational & Basic Science		
TPR-2805	TPR-2800 Hydrodynamic analysis of the dense entry region of an asymmetrically loaded cold flow		
TPR-2811	Integrating velocity measurements in a reservoir rock sample from the SACROC unit with an AVO proxy for subsurface supercritical CO2	606 - University Collaboratory	Geological & Environmental Science
TPR-2821	Particle clusters in and above fluidized beds	670 - Computational Science	Computational & Basic Science
TPR-2826	Constraints on methane distribution from acoustic profiles of shallow sediments across the Alaska shelf	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-2827	Subseafloor macroscopic biofilms involved in anaerobic oxidization of methane	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-2828	The role of geology and shallow lithostratigraphy in the distribution of methane flux throught shallow sediments across the Beaufort Shelf of Alaska	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-2829	Preliminary geochemical survey of shallow sediment methane flux across the Alaskan Beaufort Sea shelf	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-2830	Lithostratigraphic analysis and sedimentology of cores from the Mount Elbert-01 gas hydrate stratigraphic well	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-2831	Lithostratigraphic analysis of sand and silt facies from NGHP 01 gas hydrate accumulations in the Krishna-Godavari Basin	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-2833	Understanding Sensor Response of metal Decorated Carbon Nanotubes	606 - University Collaboratory	Energy System Dynamics
TPR-2834	Transient Oxidation and Grain Boundary Characteristics	606 - University Collaboratory	Materials Science
TPR-2836	Ideal and Defect Interstitial Channel Availability in Carbon Nanotube Bundles: Comparison of Modeling with Experiments	606 - University Collaboratory	Materials Science
TPR-2839	High resolution simulations of coal jets in a gasifier	670 - Computational Science	Computational & Basic Science
TPR-2840	Au-mixed lanthanum/cerium oxide catalysts for water-gas-shift	660 - Chemistry Surfaces Science	Materials Science
TPR-2843	Experimental and CFD analysis of bubble parameters in a variable thickness fluidized bed	605 - Earth and Mineral Sciences	

TPR-2844	Mathematical modeling and numerical simulation of methane production in a hydrate reservoir	605 - Earth and Mineral Sciences	
TPR-2851	A comparative study of eight finite-rate chemistry kinetics for CO/H2 combustion	670 - Computational Science	Computational & Basic Science
TPR-2852	Simulation of a swirling gas-particle flow using different k — e Models and particle-parcel relationships	670 - Computational Science	Computational & Basic Science
TPR-2856	Unsteady motion of a non-linear viscoelastic fluid	670 - Computational Science	Computational & Basic Science
TPR-2857	Separation of CO2 from flue gas using electrochemical cells	640 - Environmental Science	Geological & Environmental Science
TPR-2858	Surface characterization of palladium-alumina sorbents for high-temperature capture of mercury and arsenic from fuel gas	660 - Chemistry Surfaces Science	
TPR-2859	Environmental effects of natural gas production from the Marcellus Shale	605 - Earth and Mineral Sciences	
TPR-2860	Estimate of solid flow rate from pressure measurement in circulating fluidized bed	670 - Computational Science	Computational & Basic Science
TPR-2861	Near-surface monitoring for the ZERT shallow CO2 injection project	640 - Environmental Science	
TPR-2865	Electrochemical reduction of CO2 in KHCO3 aqueous solution	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2866	A voltammetric study of reduction of CO2; Effect of type of solvent	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2867	Electrochemical Concentration of Carbon Dioxide from an Oxygen/Carbon Dioxide Containing Gas Stream	606 - University Collaboratory	Energy System Dynamics

TPR No	Title	Organization	Focus Area
TPR-3020	Cathode Electrodes for Grid Scale Energy Storage	660 - Chemistry Surfaces Science	Materials Science
TPR-2870	Advanced Fossil Energy Utilization	610 - Separations Fuels Processing	
TPR-2875	Interfacial roughness: Miscible viscous fingering in three dimensions	650 - Geosciences	
TPR-2876	A modular framework for the analysis and optimization of power generation systems with CCS	670 - Computational Science	Computational & Basic Science
TPR-2877	Preferential flow paths in fractures	650 - Geosciences	Geological & Environmental Science
TPR-2880	Thermodynamic analysis of interactions between Ni-based SOFC anodes and trace species in a survey of coal syngas	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2882	Effect of endosperm hardness on an ethanol process using a granular starch hydrolyzing enzyme	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2883	Effects of fluid, confining, and effective pressure on the helium permeability of a bituminous coal: Measurements and interpretation	650 - Geosciences	Geological & Environmental Science
TPR-2886	Reducing the deactivation of Ni-metal during the catalytic partial oxidation of a surrogate diesel fuel mixture	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2890	Corrosion Effects on Alloy Reliability in Energy Generation Systems	680 - Materials Performance	Materials Science
TPR-2892	Corrosion Behavior of Copper thin films in organic HF containing cleaning solution for semiconductor applications	680 - Materials Performance	Materials Science
TPR-2894	Effect of Carbon on Passivation of Carbon in Hot Alkaline Solutions in Relation to Causitic Stress Corrosion Cracking	680 - Materials Performance	Materials Science
TPR-2895	Materials Performance in High Pressure, High Temperature Drilling Environments	680 - Materials Performance	Geological & Environmental Science
TPR-2896	Hardness, Bearings, and the Rockwells	680 - Materials Performance	Materials Science
TPR-2897	TSteam Oxidation and Chromia Evaporation in Ultra-Supercritical Steam Boilers and Turbines	680 - Materials Performance	Materials Science
TPR-2898	Fireside Corrosion in Oxyfuel Combustion Environments	680 - Materials Performance	Materials Science
TPR-2899	U.S. DOE/NETL Office of Research and Development Oxyfuel Combustion Research - Progress Update	680 - Materials Performance	Materials Science
TPR-2901	Task 2 Boiler Corrosion	680 - Materials Performance	Materials Science
TPR-2903	Corrosion Resistant Metallic Materials for Ultra-Deep Well Drilling Applications	680 - Materials Performance	Materials Science
TPR-2905	Modeling Dual and MgO Saurated EAF Slag Chemistry	680 - Materials Performance	Materials Science
TPR-2906	Crystallographic characteristics of grain boundaries in dense yttria-stabilized zirconia	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2907	Glycine-nitrate synthesis of Sr doped La2Zr207 pyrochlore powder	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2908	An Experimental and Computational Study of Emissions from a Swirl Stabilized Burn Under EGR Conditions	606 - University Collaboratory	Energy System Dynamics
TPR-2912	Conversion of CT scans of geologic media to heterogenous computational fluid dynamics models	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-2914	On the thermodynamics of some generalized second-grade fluids	670 - Computational Science	Computational & Basic Science
TPR-2917	Modeling confined jets with particles and swirl	670 - Computational Science	Computational & Basic Science
TPR-2918	In-situ impedance spectroscopy of LiMn1.5Ni0.4Cr0.1O4 cathode material	620 - Energy Systems Dynamics	Materials Science
TPR-2923	Molecular Simulations and Experimental Studies of Solubility and Diffusivity for Pure and Mixed Gases of H2, CO2, and Ar Absorbed in the Ionic Liquid 1-n-Hexyl-3-methylimidazolium Bis(Trifluoromethylsulfonyl)amide ([hmim][Tf2N]	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-2929	Oxygen reduction and transportation mechanisms in solid oxide fuel cell cathodes	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2930	Radiation property measurements of oxy-fuel flames	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2933	Review of the MITAS-2009 expedition across the U.S. Beaufort shelf & Slooe of Alaska - An introduction to the first trans-shelf-slope climate study in the U.S. Beaufort Sea: Preliminary findings, and next steps	605 - Earth and Mineral Sciences	
TPR-2937	CO2 Adsorption on Supported Molecular Amidine Systems on Activated Carbon	606 - University Collaboratory	Energy System Dynamics
TPR-2939	Tracing the interaction of acid mine drainage with coal utilization byproducts in a grouted mine: Strontium isotope study of the inactive Omega Coal Mine, West Virginia (USA)	OR-01	
TPR-2942	Material Performance Gaps for Carbon Dioxide Transport Pipelines	680 - Materials Performance	Materials Science
TPR-2950	Water and the production of gas from the Marcellus Shale	605 - Earth and Mineral Sciences	Geological & Environmental Science

TPR-2952	Structural characterization of Ni-substituted hexaaluminate catalysts using EXAFS, XANES, XPS, XRD AND TPR	610 - Separations Fuels Processing	Materials Science
TPR-2953	Catalytic partial oxidation of CH4 over Ni-substituted barium hexaaluminate catalysts	610 - Separations Fuels Processing	Materials Science
TPR-2956	Determination of reaction constants for SOFC cathodes by electrical conductivity relaxation	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2957	FT-IR Study of CO2 Adsorption in a Dynamic Copper(II) Benzoate-Pyrazine Host with Close CO2-CO2 Contacts in the Adsorbed State	660 - Chemistry Surfaces Science	Materials Science
TPR-2961	Integration of fuel cell technology with Pt-CeO2/ODF catalysts to decompose CO2	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2962	Recent development of SOFC metallic interconnect	620 - Energy Systems Dynamics	Materials Science
TPR-2965	Resource assessment of the Marcellus Shale	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-2967	Hydrogen production via chemical looping steam reforming in a fixed bed reactor	606 - University Collaboratory	Geological & Environmental Science
TPR-2969	Synthesis and Evaluation of Porous Core-shell Structures	660 - Chemistry Surfaces Science	Materials Science
TPR-2971	Oxidation Characteristics of Fe-18Cr-18Mn Stainless Steel Alloys	680 - Materials Performance	Materials Science
TPR-2972	Environmental Degradation - Steam Oxidation		
TPR-2975	Modeling challenge: Translate research into commercial applications	670 - Computational Science	Computational & Basic Science
TPR-2977	The thermal regine and microbial ecology of two natural cold traps in Pennsylvania (USA)	650 - Geosciences	Geological & Environmental Science
TPR-2980	Non-destructive spallation prediction of thermal barrier coatings by a load-based micro-indentation technique	610 - Separations Fuels Processing	Energy System Dynamics
TPR-2984	Thermodynamic assessment of Pd-S based systems	690 - Process Development	Materials Science
TPR-2988	High resolution simulations of coal jets in a gasifier	670 - Computational Science	Computational & Basic Science
TPR-2992	Impact and mechanism of interaction of benzene, napthalene and mercury doped syngas fuel on Ni-based SOFC's --- Part One: Experimental data analysis	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2995	Solid oxide fuel cells in advanced coal-fueled power systems	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-2996	CFD simulation of entrained-flow coal gasification: Coal particle density/size fraction effects	670 - Computational Science	Computational & Basic Science
TPR-2999	Synopsis of historic and current characterization of the Marcellus Shale in the Appalachian Basin	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3000	A flexible capacitive sensor design for in-situ inspection of plastic natural gas pipelines. PREVIOUSLY TITLED: A flexible capacitive sensor design for in-situ polyethylenem pipeline inspection	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3003	Ductility of Cr-V Alloys	690 - Process Development	Materials Science
TPR-3004	Creep Properties of Die Cast Zinc Alloys	690 - Process Development	Materials Science
TPR-3005	Thermodynamic Assessment of V-Rare Earth Systems	690 - Process Development	Materials Science
TPR-3006	Thermodynamic Assessment of MO-CE and MO-Y Systems	690 - Process Development	Materials Science
TPR-3007	Thermodynamic Modeling of Pd-S System Supported by First Principles Calculations	690 - Process Development	Materials Science
TPR-3011	Interactions of Refractory materials with Molten Gasifier Slags	680 - Materials Performance	Materials Science
TPR-3013	Performance of Amine-Multilayered Solid Sorbents for CO2 Removal: Effect of Fabrication Variables	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3014	Innovative Nano-Layered Solid Sorbents for CO2 Capture	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3017	Surface Contaminant Induced Corrosion of Pd Alloy Membrane during H2S Exposure	660 - Chemistry Surfaces Science	Materials Science
TPR-3019	Catalytic Conversion of CO2 into Useful Carbonate Products over Metallic Nanoparticles Supported on Metal Organic Frameworks	660 - Chemistry Surfaces Science	Materials Science
TPR-3025	MFIX-DEM simulation of change of volumetric flow in reacting fluidized beds	670 - Computational Science	Computational & Basic Science
TPR-3026	Thick high-purity low-density APS thermal barrier coatings	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3027	Rapid assessment of soil quality in oil remediation landfarms in Pennsylvania	650 - Geosciences; 650 - Geosciences	Geological & Environmental Science
TPR-3028	Capacitive deionization powered by microbial fuel cells: Feasibility study of self-sustained desalination of produced water	650 - Geosciences	Geological & Environmental Science
TPR-3031	Calibration method for direct GC-ICP/MS analysis of gas phase samples	620 - Energy Systems Dynamics	Materials Science
TPR-3039	Fundamentals of liquid tin anode solid oxide fuel cell (LTA-SOFC) operation	620 - Energy Systems Dynamics	Materials Science
TPR-3054	Enabling next generation options for CCS	620 - Energy Systems Dynamics	Geological & Environmental Science
TPR-3055	Approaching zero	620 - Energy Systems Dynamics	
TPR-3056	Chemical-looping combustion of coal with metal oxide oxygen carriers	610 - Separations Fuels Processing	Energy System Dynamics

TPR-3057	Gasification technology to produce synthesis gas (2010) 1-28	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3058	Syngas Utilization (2010) 193-221	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3059	Role of pH IN CO2 Sequestration in Coal Seams	640 - Environmental Science	Geological & Environmental Science
TPR-3060	Regenerable multi-functional sorbent development for sulfur and chloride removal from coal-derived synthesis gas	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3062	MicroCT scanning	605 - Earth and Mineral Sciences	
TPR-3072	Nanowire scaffold for cathode of solid oxide fuel cell	620 - Energy Systems Dynamics	Materials Science
TPR-3076	Biomass for energy and fuels	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3077	Measuring the voidage of a CFB through image analysis	670 - Computational Science	Computational & Basic Science
TPR-3078	Performance and kinetics of a solid amine sorbent for carbon dioxide removal	670 - Computational Science	Computational & Basic Science
TPR-3079	Equilibrium and adsorption kinetics of carbon dioxide by solid supported amine sorbent	670 - Computational Science	Computational & Basic Science
TPR-3080	An implicit continuum mechanics approach to heat conduction in granular materials	670 - Computational Science	Computational & Basic Science
TPR-3081	Electrochemical characteristics of SDC infiltrated LSM cathodes with varied thickness for Yttria-stabilized zirconia electrolytes	620 - Energy Systems Dynamics	Materials Science
TPR-3092	CO2 Capture Properties of M-C-O-H (M=Li, Na, K) Systems: A combined Density Functional Theory and Lattice Phonon Dynamics Study	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3094	CO2 Capture Properties of Alkaline Earth Metal Oxides and Hydroxides: a Combined Density Functional Theory and Lattice Phonon Dynamics Study	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3095	Post-Yield, Room-Temperature, Transient and Steady-Slate Tensile Properties of Three Stainless Steel Alloy	690 - Process Development	Materials Science
TPR-3096	Task 1: Steam Oxidation	680 - Materials Performance	Materials Science
TPR-3099	TStream Oxidation of Chromia Evaporation in Ultra-Supercritical Steam Boilers and Turbines	680 - Materials Performance	Materials Science
TPR-3108	Materials Performance in USC Steam	680 - Materials Performance	Materials Science
TPR-3109	Abrasive Wear Properties of Nickel and Manganese Stainless Steels	680 - Materials Performance	Materials Science
TPR-3110	Sodium Iron Fluorophosphate Energy Storage Materials: Synthesis and Characterization of Nanoscale Heterostructures	660 - Chemistry Surfaces Science	Materials Science
TPR-3116	Fluidization modeling challenge	670 - Computational Science	Computational & Basic Science
TPR-3117	Do we need sub-grid scale corrections for both continuum and discrete gas-particles flow models?	670 - Computational Science	Computational & Basic Science
TPR-3118	Method for Detection of Trace Metal and Metalloid Contaminants in Coal-Generated Fuel Gas Using Gas Chromatography/Ion Trap Mass Spectrometry	640 - Environmental Science	Geological & Environmental Science
TPR-3119	Evaluation of reaction mechnism of coal-metal oxide interactions in chemical-looping combustion	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3121	The development of a non-destructive multiple partial unloading micro-indentation technique for thermal barrier coating spallation prediction	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3126	Heat transfer and Couette flow of a chemically-reacting non-linear fluid	670 - Computational Science	Computational & Basic Science
TPR-3127	Direct coal solid oxide fuel cells with liquid tin anodes	620 - Energy Systems Dynamics	Materials Science
TPR-3128	Compostie cathode infiltrated with pyrochlore/perovskite materials	620 - Energy Systems Dynamics	Materials Science
TPR-3129	SOFC anode interaction with trace coal syngas	620 - Energy Systems Dynamics	Materials Science
TPR-3130	Impact of fuel contaminants on performance in coal-based SOFCs	620 - Energy Systems Dynamics	Materials Science
TPR-3131	Characterization of a turbulent dilute hydrogen diffusion flame using Spontaneous Raman Scattering, OH-PLIF and large eddy simulation	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3133	High surface area, mesoporous (La,Sr)MnO3 for solid oxide fuel cell cathodes	620 - Energy Systems Dynamics	Materials Science
TPR-3134	High surface area, mesoporous (La,Sa)MnO3 for solid oxide fuel cell cathodes	620 - Energy Systems Dynamics	Materials Science
TPR-3137	Integrating Desulfurization with CO2-Capture in Chemical-Looping Combusion		
TPR-3139	Highly stable, mesoporouse mixed lanthanum-cerium oxides with tailored structure and reducibility	660 - Chemistry Surfaces Science	Materials Science
TPR-3142	Graphene versus Carbon Nanotubes for Chemical Sensor and Fuel Cell Applications	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3143	Carbon Nanotube for the storage and controlled release of chemicals	660 - Chemistry Surfaces Science	Materials Science
TPR-3149	CO2-philic oligomers as novel solvents for CO2 absorption	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3150	Multimode metal-lined capillaries for Raman collection and sensing	620 - Energy Systems Dynamics	Energy System Dynamics

TPR-3153	Advancing the supercapacitor materials and technology frontier for improving power quality	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3154	Mineralogial Associations of Mercury in FGD	640 - Environmental Science	
TPR-3158	Utilization of municipal wastewater in thermoelectric power production for freshwater minimization. Previous title: Treated municipal wastewater for cooling in thermoelectric power production	670 - Computational Science	Computational & Basic Science
TPR-3161	A finite element study of thermal relaxation of residual stress in laser shock peened IN718	680 - Materials Performance	Materials Science
TPR-3163	Spatial relationships between faults and spring localities in the Valley and Ridge Province	650 - Geosciences	Geological & Environmental Science
TPR-3164	CO2 flux from coal mine drainage, Allegheny County, PA	650 - Geosciences	Geological & Environmental Science
TPR-3168	The US Patent 7,776,780, "Catalysts for Oxidation of Mercury in Flue Gas"	610 - Separations Fuels Processing; 640 - Environmental Science	Geological & Environmental Science
TPR-3171	An Electron Microscopy Investigation of the Transient Stage Oxidation products in an Fe-22Cr Alloy with Ce and La Additions exposed to Dry Air at 800 Degrees C"	690 - Process Development	Materials Science
TPR-3174	Unconventional: The development of the Marcellus Shale natural gas resource	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3175	Experimental and numerical observations of hydrate reformation during depressurization in a core-scale reactor	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3176	X-ray CT observations of methane hydrate distribution from prolonged and repeated formation in natural and synthetic compacted sand samples	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3177	Methane hydrate induced permeability modification for multiphase flow in unsaturated porous media	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3178	Synthesis of Ni Nanorods with Porous Silica Coatings	660 - Chemistry Surfaces Science	Materials Science
TPR-3182	Reactivity Differences of Nanocrystals and Continuous Films of a-Fe2O3 on Au(111) Studied with In Situ X-ray Photoelectron spectroscopy.	660 - Chemistry Surfaces Science	Materials Science
TPR-3183	Effects of non-volatile impurities from mixed carbon feedstock used in gasification on gasifier materials degradation	680 - Materials Performance	Materials Science
TPR-3184	Anticipated benefits from employing hydraulic compression in carbon dioxide sequestration	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3185	Multi-objective optimization of cost, water use, and heat rate for retrofitting a CO2 capture process to an existing pulverized coal power plant	670 - Computational Science	Computational & Basic Science
TPR-3186	A modular framework for the analysis and optimization of power generation systems with CCS (THIS IS A DUPLICATE OF TPR-2876)	670 - Computational Science	Computational & Basic Science
TPR-3192	The hydrogen permeability of Pd4S	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3195	Lab scale and computational studies of chemical looping combustion for efficient carbon capture	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3199	Phase equilibria in synthetic coal-petcoke slags (SiO2-Al2O3-FeO-CaO-V2O3	680 - Materials Performance	Materials Science
TPR-3201	Simulation of coal ash particle deposition experiments	670 - Computational Science	Computational & Basic Science
TPR-3202	Effect of palladium dispersion on the capture of toxic components from fuel gas by palladium-alumina	660 - Chemistry Surfaces Science	Energy System Dynamics
TPR-3211	Characterization of Devonian shale formations in the Appalachian Basin	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3212	MFIX-DEM simulations of change of volumetric flow in fluidized beds due to chemical reactions	670 - Computational Science	Computational & Basic Science
TPR-3214	"Structure-Property Correlation in Iron Oxide Nanoparticle-Clay Hybrid Materials"	650 - Geosciences	Geological & Environmental Science
TPR-3215	"Enchanced magnetic response of fluids using Self-Assembled Petal-Like Iron Oxide Particles"	650 - Geosciences	Geological & Environmental Science
TPR-3216	"Physical and chemical characteristics of potential seal strata in regions considered for demonstrating geological saline C)2 sequestration Griffith, C A, Dzombak, D.A., Lowry, G.V. 650 - Geosciences Yes Yes Geological & Environmental Science Submitted Environmental Earth Science	650 - Geosciences	Geological & Environmental Science

	"Influence of Frequency, Grade, Moisture and Temperature on Oil Shale Dielectric Properties and Electromagnetic Heating Processes Hakala, J.A., Stanchina, W., Soong, Y., Hedges, S.W. 650 - Geosciences Yes Geological & Environmental Science Fuel prepocessing Technology, April 2010		
TPR-3217	TPR-3216 "Physical and chemical characteristics of potential seal strata in regions considered for demonstrating geological saline C)2 sequestration	650 - Geosciences	Geological & Environmental Science
TPR-3218	"Permeability Variations in an Upper Freeport Coal Core due to Changes in Effective Stress and Sorption,"	650 - Geosciences	Geological & Environmental Science
TPR-3219	Comparison of estimated and directly measured dissolved CO2 in natural and mining-impacted waters	650 - Geosciences	Geological & Environmental Science
TPR-3220	Coal tar wastewater treatment and electricity production using a membrane-less tubular microbial fuel cell	650 - Geosciences	Geological & Environmental Science
	Simulations of Variable Bottomhole Pressure Regimes to Improve Production from the Double-Unit Mount Elbert, Milne Point Unit, North slope Alaska Hydrate Deposit" Myshakin, E.; Anderson, B.J.; Rose, K.; Boswell, R. 605 - Earth and Mineral Sciences No No Yes Yes Geological & Environmental Science		
	TPR-3223 Materials Challenges to Achieve Sustainable Fossil Energy Systems Jain, V.; Morreale, B. 690 - Process Development Yes No No No MS&T Conference, Houston, TX, Oct. 17-21, 2010 10/17/2010 Materials Science		
	TPR-3222 Iron-Doped Nickel Catalysts as Anode Materials for an Electrochemical Air Separation Device Landon, J.; Kitchin, J. 610 - Separations Fuels Processing Yes No No No AIChE Annual Conference, Salt Lake City, UT, Nov 7-12, 2010 11/07/2010 Energy System Dynamics		
TPR-3224	TPR-3221 "Two-Phase Flow in Porous Media: Predicting Its Dependence on Capillary Number and Viscosity Ratio	650 - Geosciences	Geological & Environmental Science
TPR-3225	Operation of a solid oxide fuel cell on reformed biodiesel	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3226	Tracking solutes and water from subsurface drip irrigation application of coalbed methane produced waters, Powder River Basin, Wyoming	640 - Environmental Science	Geological & Environmental Science
TPR-3227	A CALPHAD Study on the Thermodynamic Stability of Calcium-, Zinc-, and Yttrium-Doped Magnesium in Aqueous Environments	690 - Process Development	Materials Science
TPR-3228	Control of electrode activity of cthodic functional layer composed of SDC-LSCF through infiltration	620 - Energy Systems Dynamics	Materials Science
TPR-3231	Single-probe, fiber optic system for whole heart intracellular calcium transient measurement	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3236	"Atmospheric Tracer Monitoring and Surface Plume Development at the ZERT Pilot Test in Bozeman, Montana, USA"	640 - Environmental Science	Geological & Environmental Science
TPR-3237	Secondary organic aerosol formation from high-NOx photo-oxidation of low volatility precursor: n-alkanes	640 - Environmental Science	Geological & Environmental Science
TPR-3238	"Effects of nanoparticles on nanofluid droplet evaporation"	640 - Environmental Science	Geological & Environmental Science
TPR-3239	"Effects of multi-component diffusion and heat release on laminar diffusion flame liftoff"	640 - Environmental Science	Geological & Environmental Science
TPR-3241	"A shallow subsurface controlled release facility in Bozeman, Montana, USA, for testing near surface CO2 detection techniques and transport models"	640 - Environmental Science	Geological & Environmental Science
TPR-3242	"Characterization of cement from a well at Teapot Dome Oil Field: Implications for geological sequestration"	640 - Environmental Science	Geological & Environmental Science

TPR-3243	"Viscosity and thermal conductivity of nanofluids containing multi-walled carbon nanotubes stabilized by chitosan Tran, P.X., Massoudi, M., Chen, R.H. 640 - Environmental Science Yes Yes International Journal of Thermal Sciences Geological & Environmental Science 1/1/2011		
TPR-3244	Effect of Dispersion on the Capture of Toxic Elements from Fuel Gas by Palladium-Alumina Sorbents	640 - Environmental Science	Geological & Environmental Science
TPR-3245	Real Time Studies of Palladium Sorbents for the Removal of Trace Contaminants from Coal-Derived Fuel Gas	640 - Environmental Science	Geological & Environmental Science
TPR-3247	"H2S-CO2 Reaction with Hydrated Class H Well Cement under Geologic Sequestration Conditions"	650 - Geosciences	Geological & Environmental Science
TPR-3248	Atmospheric monitoring of a perfluorocarbon tracer at the ZERT Center 2009 experiment in Bozemann, Montana, USA	640 - Environmental Science	Geological & Environmental Science
TPR-3249	"Kinetic analysis of cation exchange in birnessite using time-resolved synchrotron X-ray diffraction"	640 - Environmental Science	Geological & Environmental Science
TPR-3250	"Bayesian hierarchical models for soil CO2 flux and leak detection at geologic sequestration sites"	640 - Environmental Science	Geological & Environmental Science
TPR-3251	"Dynamic alteration along a fractured cement/cement interface: Implications for long term leakage risk along a well with an annulus defect"	640 - Environmental Science	Geological & Environmental Science
TPR-3252	"Surface tension of evaporating nanofluid droplets"	640 - Environmental Science	Geological & Environmental Science
TPR-3253	"A Complete Green Synthesis of Gold Nanoparticles using Laser Ablation in Liquid Technique"	640 - Environmental Science	Geological & Environmental Science
TPR-3254	"Synthesis of cation-exchanged laponite suspensions by laser ablation of microsized-metal particles in liquid"	640 - Environmental Science	Geological & Environmental Science
TPR-3255	Real Times Studies of Pd/Al2O3 Sorbents for the Removal of Gaseous Metal Contaminants from Coal Derived Fuel Gas	640 - Environmental Science	Geological & Environmental Science
TPR-3256	"Surface structure changes of Sewickly coal under the influence of supercritical CO2"	640 - Environmental Science	Geological & Environmental Science

Environmental Science Yes Yes Northeast PA Consortium, Wilkes-Barre, PA 08/01/2010 Geological & Environmental Science

TPR-3266 Integrity of CO2 Sequestration Reservoirs: Mechanisms Controlling Subsurface Trapping of CO2 and CO2 Flow within Fractures, Faults, and Wellbore Interfaces Kutchko, B., Carey, B., Detwiler, R., Crandell, D. 640 - Environmental Science Yes Yes AGU December 2009 Fall Meeting Session H70 Geological & Environmental Science

TPR-3265 ; Laboratory scale studies of Pd/y-Al2O3 sorbent for the removal of trace contaminants from coal-derived fuel gas at elevated temperatures. Granite, E., Rupp, E., Stanko, D., Pennline, H., Baltrus, J. Hamilton, H., Poulston, S., Rowsell, L., Smith, A., Chu, W. 640 - Environmental Science Yes Yes Invited Plenary Talk, Gas Cleaning at High Temperatures-8 Conference, Shanxi, China 08/24/2010 Geological & Environmental Science

TPR-3264 Utilization of Carbon Dioxide Towards Control/Suppression of Underground Coal Fires Rangwala, A., Granite, E. 640 - Environmental Science Yes Yes AIChE National Meeting, San Antonio, Texas 03/01/2010 Geological & Environmental Science

TPR-3263 Possible Use for Carbon Dioxide Capture from Coal-Derived Flue Gas: Reforming of Methane in Electric Discharge Plasma Rupp, E., Granite, E. 640 - Environmental Science Yes Yes AIChE National Meeting, San Antonio, Texas 03/01/2010 Geological & Environmental Science

TPR-3262 Real-Time Detection of Gaseous Metal Contaminants in Coal-Derived Flue and Fuel Gas; Rupp, E., Granite, E. 640 - Environmental Science Yes Yes AIChE National Meeting, San Antonio, Texas 03/01/2010 Geological & Environmental Science

TPR-3267	TPR-3261 Qualitative Prediction of Sorbent Performance for Mercury Capture by Lab-Scale Tests	640 - Environmental Science	Geological & Environmental Science
TPR-3276	"H2S-CO2 Reaction with Hydrated Class H Well Cement: Implications for Acid Gas Injection and Co-Sequestration"	640 - Environmental Science	Geological & Environmental Science
TPR-3277	Completed comparison of Gaussian plume model results to experimental data from ZERT 2008 experimetns	640 - Environmental Science	Geological & Environmental Science
TPR-3283	Oxide-based reforming catalyst evaluation and development	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3284	Alternative reforming concepts: RF-enhanced catalysis and low-temperature plasma	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3286	Catalytic partial oxidation of a diesel surrogate fuel using an RU-substituted pyrochlore	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3294	Analysis of model parameters affecting the pressure profile in a circulating fluidized bed	670 - Computational Science	Computational & Basic Science
TPR-3295	High-methane molten carbonate gasifier: SECA 2010 end of year report	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3296	Chemical Sensing with Polyaniline Coated Single-Walled Carbon Nanotubes	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3297	Stochastic simulation of pulverized coal (PC) processes	670 - Computational Science	Computational & Basic Science
TPR-3306	A comparative study of the Mississippian Barnett Shale, Fort Worth Basin and the Devonian Marcellus Shale, Appalachian Basin	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3307	Investigation of Methanol Synthesis from Carbon Dioxide Hydrogenation over Multicomponent Copper-based Catalysts	660 - Chemistry Surfaces Science	Materials Science
TPR-3312	Copper Thin-Film Dissolution/Precipitation Kinectics in Organic HF Containing	680 - Materials Performance	Materials Science
TPR-3313	Corrosion Performance of High Strength Steels for Drilling HPHT Oil and Gas Wells	680 - Materials Performance	Materials Science
TPR-3314	The Development of Phosphates Containing Cr203	680 - Materials Performance	Materials Science
TPR-3315	Thermodynamic Studies of Coal Slags for Gasification	680 - Materials Performance	Materials Science
TPR-3322	GPU simulations for risk assessment in CO2 geologic sequestration	600 - Office of Research & Development	Geological & Environmental Science
TPR-3324	CO2 attraction by specifically adsorbed anions and subsequent accelerated electrochemical reduction	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3325	Role of lattice oxygen in the partial oxidation of methane over Rj/zirconia-doped ceria. Isotopic studies	620 - Energy Systems Dynamics	Energy System Dynamics

TPR-3326	Optimization of IGCC processes with reduced order CFD models	670 - Computational Science	Computational & Basic Science
	Analysis of Oxygen Separation from Air over Ni-Transition Metal Complexes, an In-Situ Infrared Study" Miller, D.D.; Siriwardane, R. 610 - Separations Fuels Processing No No Yes Yes Journal of Physical Chemistry A Energy System Dynamics TPR-3326 Optimization of IGCC processes with reduced order CFD models Lang, Y.; Zitney, S.; Biegler, L. 670 - Computational Science Yes Yes Computers and Chemical Engineering Computational & Basic Science TPR-3325 Role of lattice oxygen in the partial oxidation of methane over Rj/zirconia-doped ceria. Isotopic studies Salazar, M.; Berry, D.; Cugini, A. 620 - Energy Systems Dynamics Yes Yes International Journal of Hydrogen Energy, 35 (2010) 1998-2003 Energy System Dynamics TPR-3324 CO2 attraction by specifically adsorbed anions and subsequent accelerated electrochemical reduction Ogura, K.; Ferrell, J. (III); Cugini, A.; Smotkin, E.; Salazar, M. 620 - Energy Systems Dynamics No No Yes Yes Electrochimica Acta (2010) (Article in press) Energy System Dynamics TPR-3323 Segregation of impurities at y' (L12)/y(fcc) interfaces in a Ni-based superalloy Tafen, D.; Gao, M. 690 - Process Development Yes No No No APS March Meeting, Dallas, TX, March 21-25, 2011 03/21/2011 Materials Science		
TPR-3327			
TPR-3330	Interaction of CO with Oxygen Adatoms on TiO2(110)	660 - Chemistry Surfaces Science	Materials Science
TPR-3331	Effect of additives on decomposition carbonate: pre-combustion CO2 capture sorbent regeneration	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3333	New title: X-ray computed-tomography imaging of gas migration in water-saturated sediments: From capillary invasion to conduit opening. FORMER TITLE: Simulations of gas migration in water-saturated sand and silt sediment	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3334	Surface properties and crystal morphology of La2Zr207: A theoretical study	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3335	CO2 photoreduction in the liquid phase over Pd-supported on TiO2 nanotube and bismuth titanate photocatalysts	620 - Energy Systems Dynamics	Materials Science
TPR-3336	CYclability study of silicon-carbon composite anodes for lithium-ion batteries using electrochemical impedance spectroscopy	620 - Energy Systems Dynamics	Materials Science
TPR-3338	Development of a Test System to Examine the Mechanics of High Pressure/Temperature Drilling	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3343	In Situ Observation of Water Dissociation with Lattice Incorporation at FeO Particle Edges Using Scanning Tunneling Microscopy and X-ray Photoelectron spectroscopy	660 - Chemistry Surfaces Science	Materials Science
TPR-3345	Characterization of a Solid Oxide Fuel Cell Gas Turbine Hybrid System Based on a Factorial Design of Experiments Using Hardware Simulation	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3346	Control valve trajectories for SOFC hybrid system startup	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3347	Response surfaces for key controlled variables in the HyPer system	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3368	A mixture theory formulation for hydraulic or pneumatic transport of solid particles	670 - Computational Science	Computational & Basic Science
TPR-3369	Selective adsorption of CO2 from light gas mixtures using a structurally dynamic porous coordination material	660 - Chemistry Surfaces Science	Materials Science
TPR-3370	Identifying slope failure deposits from a potentially mixed magnetic susceptibility signal in gas hydrate bearing regions	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3371	On the variation of superfical gas velocity in deep gas-solid fluidized beds	670 - Computational Science	Computational & Basic Science
TPR-3374	On the representation of turbulent stresses for computing blood damage	670 - Computational Science	Computational & Basic Science
TPR-3377	Electrochemical System to Study Corosion of Metals in Supercritical CO2 Fluids	680 - Materials Performance	Materials Science
TPR-3380	Tunable poly(hydroxyl urethane) from CO2-based intermediates using thiol-ene chemistry	610 - Separations Fuels Processing	Materials Science

TPR-3382	Evaluation of Fuel Cell Operation and Degradation	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3384	A CFD study of gas-solids jet in a CFB riser flow	670 - Computational Science	Computational & Basic Science
TPR-3388	Theoretical Evaluation Using Irreversible Thermodynamics of the Feasibility of Separating N2 and CO2	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3391	Preliminary Assessment of the Microbiology of Marcellus Shale Fracture and Flowback Waters	650 - Geosciences	Geological & Environmental Science
TPR-3399	Interfacial failure via encapsulation of external particulates in an outward-trowing thermal oxide	610 - Separations Fuels Processing	Materials Science
TPR-3401	High Temperature Langasite SAW Oxygen Sensor	620 - Energy Systems Dynamics	Energy System Dynamics

TPR No	Title	Organization	Focus Area
TPR-3402	Evaluation of Ground Conductivity of Sub-Surface Irrigation Site Using Gem-2 Electromagnetic Surveys, Powder River Basin, Wyoming	650 - Geosciences	Geological & Environmental Science
TPR-3403	Meso-scale structures of bidiperse mixtures of particles fluidized by a gas	670 - Computational Science	Computational & Basic Science
TPR-3404	Ni-Substituted Ba-Beta-Alumina Solid Oxide Catalysts: Structural and Performance Characteristics during CO2-CH4 Reforming	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3405	CO2 Cycloaddition to Propylene Oxide over Pt Nanoparticles Supported on Mg-Substituted Metal Organic Framework	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3406	Hydrogen Production in a Carbon-Constrained World: Structural and Performance Characteristics of Ni-Substituted Hexaaluminate Reforming Catalysts	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3407	Catalytic partial oxidation of methane and isotopic oxygen exchange reactions over 180 labeled Rh/Gadolinium doped ceria	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3408	Hydrogen production by methane decomposition and catalytic partial oxidation of methane over Pt/CexGd1-xO2 and Pt/CexZr1-xO2ped ceria	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3409	CO2 electrochemical reduction via adsorbed halide anion	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3410	Photo-electrochemical reduction of CO2	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3411	Overall Energy Considerations for Algae Species Comparison and Selection in Algae-to-Fuels Processes	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3412	Highly activated SOFC cathode by surface modification	620 - Energy Systems Dynamics	Materials Science
TPR-3413	Efficient theoretical screening of solid sorbents for CO2 capture applications	670 - Computational Science	Computational & Basic Science
TPR-3414	CO2 Dissociation and conversion using low-temperature plasma	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3415	Investigation of capacitance sensing of gasifier refractory health through modeling	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3416	Computational fluid dynamics modeling of a 650 MWe coal-fired boiler	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3417	Compaction of Titanium Powders	690 - Process Development	Materials Science
TPR-3419	EFFECTS OF CERIA COATINGS ON MATERIALS PERFORMANCE OF 430 STEEL IN COAL SYNTHETIC GAS	680 - Materials Performance	Materials Science
TPR-3420	Chromia Evaporation in Advanced Ultra-Supercritical Steam Boilers and Turbines	680 - Materials Performance	Materials Science
TPR-3421	New title: IGFC response to initial fuel cell load for various syngas compositions. Previously titled: The impact of fuel composition on system response to the initial fuel cell load in a hybrid system	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3422	Oxygen vacancies adjacent to CU2+ions in TiO2 (rutile) crystals	620 - Energy Systems Dynamics	Materials Science
TPR-3423	Optical studies of Au nanoparticles and Ag nanoparticles embedded ZnO thin films	620 - Energy Systems Dynamics	Materials Science
TPR-3424	Rapid Raman, on-line, gas analyzer for feed-forward/feedback control	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3425	An equivalent, flexible framework for linearized flame sheet model dynamics	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3428	Microstructural control of composite cathode by wetting nature of infiltrated solutions	620 - Energy Systems Dynamics	Materials Science
TPR-3429	Novel regenerable magnesium hydroxide sorbents for CO2 capture at warm gas temperatures	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3430	Chemical looping combustion of coal-derived synthesis gas containing H2S over supported Fe2O3 - MnO2 oxygen carrier	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3431	Natural Materials for Carbon Capture	650 - Geosciences	Geological & Environmental Science
TPR-3432	CO2 interaction with coals of different mineral and moisture content	650 - Geosciences	Geological & Environmental Science
TPR-3433	Hydrocarbon formation from hydrogen-mediated versus direct CO dissociation on Fe (100)	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3434	Using first-principles based kinetic Monte Carlo method to study the adsorption and reactivity properties of CO on Fe-based catalyst.	660 - Chemistry Surfaces Science	Computational & Basic Science

TPR-3436	Impacts of sedimentation from oil and gas development on stream macroinvertebrates in two adjacent watersheds of the Allegheny National Forest of northwestern Pennsylvania	650 - Geosciences	Geological & Environmental Science
TPR-3437	Solid-solid separation in a bubbling fluidized bed cold model	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3438	A Micro-Scale Model for Oxygen Reduction on LSM-YSZ Cathode	620 - Energy Systems Dynamics	Computational & Basic Science
TPR-3439	Physical and Chemical Characterization of coal Particles Used as Entrained Flow Gasifier Feedstock: Heterogeneity in Mineral Matter Distribution	670 - Computational Science	Computational & Basic Science
TPR-3440	Synthesis and Characterization of Mesoporous, High Specific Surface Area Srontium-doped Lanthanum Manganate using Evaporation -Induced Self-Assembly	620 - Energy Systems Dynamics	Materials Science
TPR-3441	Natural gas development and environmental issues on the Marcellus shale	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3442	Discrepancies in carbon dioxide sorption isotherms on coal under high-pressure conditions	650 - Geosciences	Geological & Environmental Science
TPR-3443	Process/equipment co-simulation for design and alalysis of advanced energy systems	670 - Computational Science	Computational & Basic Science
TPR-3444	A superstructure-based optimal synthesis of PSA cycles for post-combustion CO2 capture	670 - Computational Science	Computational & Basic Science
TPR-3445	Steady-state simulation and optimization of an integrated gasification combined cycle power plant with CO2 capture	670 - Computational Science	Computational & Basic Science
TPR-3446	Density Functional Theory Study of Pyrophyllite and M-Montmorillonites (M + Li+, Na+, K+, Mg2+, Ca2+): Role of dispersion interactions	600 - Office of Research & Development	Geological & Environmental Science
TPR-3449	Two-Phase Flow in a Rough Fracture: Experiment and Modeling		
TPR-3450	Coagulation/Flocculation Treatments for Flue-Gas Derived Water from Oxy-Fuel Power-Production with CO2-Capture	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3451	Preliminary effects of Marcellus shale drilling on Louisiana waterthrush in West Virginia	650 - Geosciences	Geological & Environmental Science
TPR-3453	Molecular Simulations and Theoretical Predictions for Adsorption and Diffusion of CH4/H2 and CO2/CH4 Mixtures in ZIFs	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3454	Determination of Free Fatty Acids in Biological Oils by A Selective Esterification Method	660 - Chemistry Surfaces Science	Materials Science
TPR-3455	Hydrogen Selective Thin Palladium-Copper Composite Membranes on Alumina Supports	680 - Materials Performance	Materials Science
TPR-3456	Supported Room Temperature Ionic Liquid Membranes for CO2/CH4 Separation	680 - Materials Performance	Materials Science
TPR-3457	CO2 Interaction with Geomaterials	650 - Geosciences	Geological & Environmental Science
TPR-3458	Lesson Learned from Circulating Fluidized Bed Challenge Problem: Comparison of Simulations and Experimental Test Results	670 - Computational Science	Computational & Basic Science
TPR-3459	PER DAN SOEDER: PLEASE WITHDRAW THIS NOI FROM THE REVIEW SYSTEM. Marcellus Shale Gas in the Appalachian Basin (USA): Development and Debates	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3461	On the Relation Between Oxide Ridge Evolution and Alloy; Surface Grain Boundary Disorientation in Fe–22 wt % Cr Alloys	690 - Process Development	Materials Science
TPR-3462	The Microstructural Evolution of Inconel Alloy 740; During Solution Treatment, Aging,; and Exposure at 760 C	690 - Process Development	Materials Science
TPR-3463	Exploration of alloy 441 chemistry for solid oxide fuel cell interconnect; application	690 - Process Development	Materials Science
TPR-3464	Homogenizing a Nickel-Based Superalloy: Thermodynamic; and Kinetic Simulation and Experimental Results	690 - Process Development	Materials Science
TPR-3465	Effect of particle size on the activation energy and ignition temperature of metallic nanoparticles		
TPR-3466	Trace Species Partitioning as Affected by Dry (Cold) Gas Cleanup Conditions: A Thermodynamic Analysis	620 - Energy Systems Dynamics	Materials Science
TPR-3467	Structurally Modulated Precipitates in a Refractory Cr-V Alloy	690 - Process Development	Materials Science

TPR-3468	Effect of Al on High-Temperature Oxidation of Cr–W Alloys	690 - Process Development	Materials Science
TPR-3469	Arc Distribution During the Vacuum Arc Remelting of Ti-6A1-4V; Mettallurgical and Materials Transaction B	620 - Energy Systems Dynamics	Materials Science
TPR-3470	Oxy-Burner Retrofit Principles for Existing Coal-fired Utility Boilers; IEAGHG special oxy-fuel publication	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3473	Use of various rock physics models to better characterize velocity dispersion effects in carbon sequestration reservoirs	600 - Office of Research & Development	Geological & Environmental Science
TPR-3480	The Orientation of Distributions of Lines, Surfaces, and Interfaces around Three-Phase Boundaries in Solid Oxide Fuel Cell Cathodes	620 - Energy Systems Dynamics	Materials Science
TPR-3481	Modeling of a steam turbine including partial arc admission for use in a process simulation software environment. PREVIOUS TITLE: Modeling a large fossil fuel steam turbine for use in a process simulation software environment		
TPR-3483	Crossover from fractal viscous fingering to compact invasion for drainage: modeling and experiment	650 - Geosciences	Geological & Environmental Science
TPR-3484	Photo-Oxidation of Low-Volatility Organics found in Motor Vehicle Emissions: Production and Chemical Evolution of Organic Aerosol Mass, :	640 - Environmental Science	Geological & Environmental Science
	Effective Rate Constants and Uptake Coefficients for the Reactions of Organic Molecular Markers (n-Alkanes, Hopanes and Steranes) in Motor Oil and Diesel Primary Organic Aersols with Hydroxyl Radicals" Lambe, A., Miracolo, M, Hennigan, C., Robinson, A., Donahue, N. 640 - Environmental Science Yes Environmental Science & Technology, 43(23), 8752-8758, 2009. Geological & Environmental Science		
TPR-3486	TPR-3485 Constraining the Volatility Distribution and Gas-Particle Partitioning of Combustion Aerosols Using Isothermal Dilution and Thermodenuder Measurements"	640 - Environmental Science	Geological & Environmental Science
TPR-3487	"Intermediate-Volatility Organic Compounds: A Potential Source of Ambient Oxidized Organic Aerosol"	640 - Environmental Science	Geological & Environmental Science
TPR-3489	Combination of temperature program reduction and X-ray photoelectron spectroscopy for identification of active species on catalyst surfaces	660 - Chemistry Surfaces Science	Materials Science
TPR-3490	Optical Thin Films for Gas Sensing in Advanced Coal Fired Power Plants	660 - Chemistry Surfaces Science	Materials Science
TPR-3491	Computational Investigation of FeS2 Surfaces and Prediction of Effects of Sulfur Environment on Stabilities	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3492	First-principles studies of H2S adsorption and dissociation on metal surfaces	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3493	New Natural Gas Storage and Transportation Capabilities Utilizing Rapid Methane Hydrate Formation Techniques	660 - Chemistry Surfaces Science	Geological & Environmental Science
TPR-3494	Rapid Gas Hydrate Formation Processes: Will They Work?	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3496	Performance and Degradation in Fuel Cells	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3498	Density Functional Theory: A Practical Introduction (Book)	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3499	Carbon Management for Existing Power Plants via Measurement Control Optimization	690 - Process Development	Energy System Dynamics
TPR-3500			
TPR-3501	A hyperbolic model for fluid-solids two-phase flow	670 - Computational Science	Computational & Basic Science
TPR-3502	Optimal design and integration of an Air Separation Unit (ASU) for an Integrated Gasifiction Combined Cycle (IGCC) power plant with CO2 capture	670 - Computational Science	Computational & Basic Science
TPR-3503	Partitioning of a perfluorocarbon tracer (PFT) between gas-phase carbon dioxide and geologic Mediaa	640 - Environmental Science	Geological & Environmental Science

TPR-3505	Simulations of Pressure Monitoring above a Fractures Caprock at a Brine CO2 Sequestration Site	600 - Office of Research & Development	Geological & Environmental Science
TPR-3507	Force Field Parameter Estimation of Functional Perfluoropolyether Lubricants	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3508	Ionic Liquids and CO2: Insight from Ab Initio Calculations on Dimers	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3509	CO2 Reduction via Chemical Looping Dry Reforming	660 - Chemistry Surfaces Science	Energy System Dynamics
TPR-3510	Advanced process and dynamic systems R&D for energy and the environment	670 - Computational Science	Computational & Basic Science
TPR-3511	Efficient Way to Identify Good Solid Sorbents for CO2 Separation	660 - Chemistry Surfaces Science	Computational & Basic Science
TPR-3512	A load-based depth-sensing indentation technique for elastic-plastic material mechanical property evaluation: Numerical and experimental investigation	620 - Energy Systems Dynamics	Materials Science
TPR-3513	Material performance of TBC systems at high temperature in moisture rich environments using a load-based micro-indentation technique	620 - Energy Systems Dynamics	Materials Science
TPR-3522	Effect of Temperature Gradient on Industrial Coal Slag Infiltration into Porous Refractory Materials in Slagging Gasifiers	670 - Computational Science	Materials Science
TPR-3524	THIS PAPER WAS NOT APPROVED: WITHDRAW FROM TPR NUMBER FROM THE SYSTEM, PER JAMIE BROWN (DD for EMSD) Mechanical specific energy versus depth of cut: Modeling and experimentation	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3525	THIS PAPER WAS NOT APPROVED. WITHDRAW THE NUMBER FROM THE TPR SYSTEM PER JAMIE BROWN (DD for EMSD) 4/5/2011. Modeling of rock cutting using discrete element method	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3526	Evolution of rheological properties of the nanofluids composed of laponite particles and Mg-Fe layered double hydroxide nanosheets	650 - Geosciences	Geological & Environmental Science
TPR-3528	Crystal Defects of Yttria-Stabilized Zirconia in Solid Oxide Fuel Cells and their Microstructural Evolution upon Cell Operation	620 - Energy Systems Dynamics	Materials Science
TPR-3529	Microstructural and chemical evolution near anode triple phase boundary in Ni/YSZ solid oxide fuel cells	620 - Energy Systems Dynamics	Materials Science
TPR-3531	Latest developments in seismic texture analysis for subsurface structure, facies, and reservoir characterization: A review	600 - Office of Research & Development	Geological & Environmental Science
TPR-3532	Ultrathin Palladium Membranes Prepared by a Novel Electric Field Assisted Activation	680 - Materials Performance	Materials Science
TPR-3533	Utilization of Multiple Waste Streams for Acid Gas Sequestration and Multi-Pollutant Control	650 - Geosciences	Geological & Environmental Science
TPR-3535	Municipal waste water utilization in power plant cooling system	670 - Computational Science	Computational & Basic Science
TPR-3539	Comparative investigation on chemical looping combustion of coal-derived synthesis gas containing H2S over supported Fe2O3 - MnO2 oxygen carrier	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3540	Size-dependent Photocatalytic Reduction of CO2 with PbS Quantum Dot Sensitized TiO2 Heterostructured Photocatalysts	660 - Chemistry Surfaces Science	Materials Science
TPR-3545	Advances in Geological CO2 Sequestration and Co-sequestration	690 - Process Development	Geological & Environmental Science
TPR-3547	A multiple partial unloading indentation technique for elastic-plastic mechanical property evaluation: Numerical and experimental investigation	620 - Energy Systems Dynamics	Materials Science
TPR-3548	TBC system performance in simulated land-based gas turbine environments using a load-based micro-indentation technique	620 - Energy Systems Dynamics	Materials Science
TPR-3549	Electron-induced CO2 Spllitting on TiO2(110)	660 - Chemistry Surfaces Science	Materials Science
TPR-3550	Investigation of mechanical and transport properties of hollow fibers containing ionic liquids for gas separation applications	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3551	Mechanical Property Evaluation of Torrefied Biomass Materials with Correlation to Grinding Efficiency	670 - Computational Science	Energy System Dynamics

TPR-3556	Depositional Model of the Marcellus Shale in West Virginia Based on Facies Analysis	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3558	Experimental measurements and equation of state modeling of liquid densities for long-chang n-alkanes at pressures to 265 MPa and temperatures to 250 degrees C	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3560	An improved method to increase the predictive accuracy of the ECR technique	620 - Energy Systems Dynamics	Materials Science
TPR-3562	Water Gas Shift Catalysis over nanostructured Au-CeO2: Investigation of Support Morphology and Gold Concentration	660 - Chemistry Surfaces Science	Materials Science
TPR-3563	Effect of biomass blending on oxyfuel coal combustion	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3564	Subsurface Drip Irrigation as a Method to Beneficially Use Coalbed Methane Produced Water: Initial Impacts to Groundwater, Soil Water, and Surface Water	640 - Environmental Science	Geological & Environmental Science
TPR-3565	Numerical Simulations of Depressurization-induced Gas Production from the Gulf of Mexico, the Blue and Orange Waler Ridge 313 Hydrate Deposits Using 2D and 3D Reservoir Models	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3567	Natural gas development and environmental issues on the Marcellus Shale	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3568	Natural gas development and environmental issues on the Marcellus Shale	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3570	X-ray computed tomography observations of preferential modes of gas migration in saturated sediment samples	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3571	Effect of hydrophobic surfaces on the kinetics of hydrate formation	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3572	The role of acid-base interaction in the formation of CO2 hydrate	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3573	Quantitative applications of x-ray CT observations for core-scale hydrate studies	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3574	3D seismic volume curvature and flexure for unconventional fractured reservoir characterization, Teapot Dome (Wyoming)	600 - Office of Research & Development	Geological & Environmental Science
TPR-3575	Crystallization temperatures of cyclohexane, cyclohexane, cyclooctane, n-hexadecane, n-octadecane, and n-eicosane at high pressures	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3576	Using derivative-free algorithms to identify surrogate models of energy systems	670 - Computational Science	Computational & Basic Science
TPR-3577	Validation studies on fikltered model equations for gas-particle flows in risers	670 - Computational Science	Computational & Basic Science
TPR-3580	Solid CO2-philes as Potential Physical Solvents for CO2	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3581	Prediction of emissions and performance of a 650 MW coal-fired boiler using CFD	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3582	Minimization of water consumption under uncertainity for a pulverized coal power plant	670 - Computational Science	Computational & Basic Science
TPR-3586	Determining CO2 concentrations in natural waters: A review of common methods and their limitations	650 - Geosciences	Geological & Environmental Science
TPR-3607	Coal Fracture Roughness Changes with Desiccation	650 - Geosciences	Geological & Environmental Science
TPR-3609	Optomization of Operating Parameters for Minimum Mechanical specific Energy in Drilling	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3610	Revisiting Johnson and Jackson boundary conditions for granular flows	670 - Computational Science	Computational & Basic Science
TPR-3612	Theoretical studies of carbon dioxide intercalation in clay minerals	650 - Geosciences	Geological & Environmental Science
TPR-3622	Modeling of Thermoelastic Stresses using Fast Fourier Transforms	620 - Energy Systems Dynamics	Fuel Cells
TPR-3626	ADSORPTION OF CO2 IN A SPIN-CROSSOVER METAL COORDINATION POLYMER	610 - Separations Fuels Processing	Computational & Basic Science
TPR-3627	NOVEL POROUS CARBON NANOTUBE MEMBRANES FOR SEPARATION OF CH4/CO2 AND CH4/H2 MIXTURES	610 - Separations Fuels Processing	Computational & Basic Science
TPR-3628	FIRST PRINCIPLES AND CLASSICAL SIMULATIONS OF IONIC LIQUIDS FOR CARBON DIOXIDE CAPTURE	610 - Separations Fuels Processing	Computational & Basic Science
TPR-3629	FIRST PRINCIPLES AND CLASSICAL SIMULATIONS OF IONIC LIQUIDS FOR CARBON DIOXIDE CAPTURE	610 - Separations Fuels Processing	Computational & Basic Science
TPR-3631	Phase-field Modeling of SOFC Cathode Microstructures	620 - Energy Systems Dynamics	Computational & Basic Science

TPR-3632	Deep Drilling Improvements: Optimization Method for Minimizing Mechanical Specific Energy in Rock Drilling		
TPR-3633	Oxygen transport investigation on infiltrated SOFC cathode	620 - Energy Systems Dynamics	Computational & Basic Science
TPR-3634	Acceleration techniques for reduced-order models based on proper orthogonal decomposition	670 - Computational Science	Computational & Basic Science
TPR-3636	Augmented proper orthogonal decomposition for problems with moving discontinuties	670 - Computational Science	Computational & Basic Science
TPR-3637	Nobel Gases on Metal Surfaces: New Insights on Adsorption Site Preference	610 - Separations Fuels Processing	Computational & Basic Science
TPR-3640	Computational fluid dynamic simulations of chemical looping fuel reactors utilizing gaseous fuels	670 - Computational Science	Computational & Basic Science
TPR-3642	Strontium Isotope Study of Coal Utilization Byproducts Interacting with Environmental Waters	600 - Office of Research & Development	Geological & Environmental Science
TPR-3643	Comparative investigation on chemical looping combustion of coal-derived synthesis gas containing H2S over supported NiO oxygen carriers	610 - Separations Fuels Processing	Energy System Dynamics
TPR-3648	Phase-field modeling of three-phase SOFC electrode microstructures	620 - Energy Systems Dynamics	Computational & Basic Science
TPR-3649	Modeling of CBM Production, CO2 Injection, and Tracer Movement at a field site	600 - Office of Research & Development	Geological & Environmental Science
TPR-3650	The Influence of Superalloy Substrate on the Behavior of; High-Purity Low-Density APS Thermal Barrier Coatings;	660 - Chemistry Surfaces Science	
TPR-3651	The Influence of Superalloy Substrate on the Behavior of; High-Purity Low-Density APS Thermal Barrier Coatings	660 - Chemistry Surfaces Science	Materials Science
TPR-3652			
TPR-3653	Effects of reactive elements in liquid Cr2O3: an ab initio molecular dynamics study	605 - Earth and Mineral Sciences	Materials Science
TPR-3654	Open Source NFIX-DEM software for gas-solids flows: Part II - validation studies"	670 - Computational Science	Computational & Basic Science
TPR-3656	Thermal Stability Study of the Bridging CO2 Complex, [tBu3P-(m-CO2)-B(C6F5)3]	660 - Chemistry Surfaces Science	Materials Science
TPR-3657	Product Distributions from Isothermal Co-pyrolysis of Coal and Biomass	670 - Computational Science	Energy System Dynamics
TPR-3658	Localized corrosion and fatigue behavior of ultra deep drilling alloys	680 - Materials Performance	Geological & Environmental Science
TPR-3660	Open Source NFIX-DEM softward for gas-solids flows: Part 1 - verification studies	670 - Computational Science	Computational & Basic Science
TPR-3661	Fabrication of self-assembled and organized nanoparticles by spinodal dewetting: A high-throughput approach	680 - Materials Performance	Materials Science
TPR-3662	Ammonia Stripping in Open-Recirculating Cooling Water Systems	670 - Computational Science	Computational & Basic Science
TPR-3663	Optimization of Drilling Parameters for Minimum Mechanical Specific Energy	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3666	Performance of Tripod Antivortex Injection Holes on Vane Suction Side Film Cooling	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3667	Thermo-Mechanical Analysis of Tripod Film-Cooling Injection Holes	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3668	Reversible Ageing Behavior of LSM electrodes at Open Circuit	680 - Materials Performance	Materials Science
TPR-3669	Microstructure And Chemistry Of Ni/YSZ Anode For Cells Operated In H2, Syngas And Syngas Containing PH3	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3670	Performance of Tripod Antivortex Injection Holes on Vane Pressure Side Film Cooling	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3671	Heat Transfer Distribution of V and Chevron Rib Geometries for Developing Flow at High Rotation Numbers	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3672	Implications of subseismic-scale texture for seismic amplitude interpretation: Waveform synthetic modeling for reservoir and fracture analysis	600 - Office of Research & Development	Geological & Environmental Science
TPR-3674	Diffusion of CO2 on Rutile TiO2(110)	660 - Chemistry Surfaces Science	Materials Science
TPR-3675	An Electronic Structure Based Understanding of Amine-Carbon Dioxide Interactions for CO2 CaptureASPEN Simulation of Various Amines for CO2 capture	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3676	Reversible Ageing Behavior of LSM electrodes at Open Circuit	680 - Materials Performance	Materials Science
TPR-3678	Thermomechanical Behavior of SOFC Materials	620 - Energy Systems Dynamics	

TPR-3679	CO2-soluble, Non-ionic, Water-soluble Surfactants that Stabilize CO2-in-Brine Foams	620 - Energy Systems Dynamics	Geological & Environmental Science
TPR-3680	" The Effect of Processing Variables on the Durability of High-Purity YSZ-TBCs Prepared by APS"	610 - Separations Fuels Processing	Materials Science
TPR-3683	Review on Mechanisms of Gas Permeation through Inorganic Membranes	680 - Materials Performance	Materials Science
TPR-3688	Variable Temperature NMR Studies of CO2 and PtBu3	660 - Chemistry Surfaces Science	Materials Science
TPR-3691	Load-following control of an IGCC plant with CO2 capture	670 - Computational Science	Computational & Basic Science
TPR-3692	Steady-State Modeling of a Single-Stage, Downward-Firing, Entrained-Flow Gasifier	670 - Computational Science	Computational & Basic Science
TPR-3693	Detailed well log and seismic interpretation of the Fruitland Formation: San Juan Basin carbon sequestration pilot site	600 - Office of Research & Development	Geological & Environmental Science
TPR-3697	Non-Destructive Thermal Barrier Coatings Spallation Prediction by a Load-Based Micro-Indentation Technique	620 - Energy Systems Dynamics	Materials Science
TPR-3699	Mixed lanthana/ceria nanorod-supported gold catalysts for water-gas-shift	660 - Chemistry Surfaces Science	Materials Science
TPR-3704	Intermediate-Temperature Solid Oxide Fuel Cell with Electrospun Nanofiber Cathode	620 - Energy Systems Dynamics	Materials Science
TPR-3705	Wireless Harsh-Environment Oxygen Sensors	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3709	Environmental Controls of cadmium desorption during CO2 leakage	600 - Office of Research & Development	Geological & Environmental Science
TPR-3710	Oscillations in methane availability at southern Hydrate Ridge over the past 120 ky, I: Methane-induced diagenesis inferred from foraminifera and sediment records	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3711	Calibration of XRF Core Scanners Analysis with Special Focus on Sedimentary Ca, Ba, and S Contents.	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3717	Development of Advanced gasification Kinetics Models for CFD (and process simulation) Codes	670 - Computational Science	Computational & Basic Science
TPR-3719	Langasite Surface Acoustic Wave Sensors: Fabrication and Testing	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3721	Evaluation of Iron Based Oxygen Carriers for Chemical Looping Dry Reforming	690 - Process Development	Materials Science
TPR-3722	Cartesian grid simulations of bubbling fluidized beds with a horizontal tube bundle	670 - Computational Science	Computational & Basic Science
TPR-3723	Low-Power Membrane Capacitive Deionization Using Microbial Fuel Cells	640 - Environmental Science	Geological & Environmental Science
TPR-3727	Micro-CT applications to Seismic Monitoring of EOR and Carbon Sequestration sites.	600 - Office of Research & Development	Geological & Environmental Science
TPR-3728	UsHelicopter based magnetic detection of wells at the teapot dome (Naval Petroleum Reserve No. 3) oilfield: Rapid and accurate geophysical algorithms for locating wells.	600 - Office of Research & Development	Geological & Environmental Science
TPR-3729	Spectrometer-less Raman detection using rotatin tunable bandpass filters.	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3730	Angular throughput of hollow, metal-lined, waveguide Raman sensors.	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3731	MINERALOGICAL ANALYSIS OF COAL CHARS OBTAINED BY HIGH TEMPERATURE GASIFICATION OF GRAVITY AND SIZE SEPARATED FRACTIONS OF A HIGH VOLATILE BITUMINOUS COAL	670 - Computational Science	Computational & Basic Science
TPR-3732	Density Prediction of Hydrocarbons at Extreme Conditions using Volume-translated SRK and PR Equations of State Fit to High Temperature, High Pressure PVT Data	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3733	Prediction of Fluid Densities at Extreme Conditions Using the Perturbed-Chain SAFT Equation Correlated to High Temperature, High Pressure Density Data	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3735	Transported PDF modeling of nonpremixed turbulent CO/H2/N2 jet flames		
TPR-3737	A FEM approach to measure Skemton's B coefficient for supercritical CO2 saturated rock	600 - Office of Research & Development	Geological & Environmental Science
TPR-3738	A Computational Study on the Influence of Exhaust Gas Recirculation on NOx Emissions for a Swirl Combustor Using Steady and Tim	620 - Energy Systems Dynamics	Energy System Dynamics
TPR-3740	"Adsorption and elctron-induced Dissociation of CO2 on Tio2(110)"	660 - Chemistry Surfaces Science	Materials Science
TPR-3742	A Technical and Economic Assessment of Ammonia-Based Post Combustion CO2 Capture at Coal-Fired Power Plants	670 - Computational Science	Computational & Basic Science

TPR-3743	Influence of a caprock fracture on pressure response and ground movements caused by CO2 Injection	600 - Office of Research & Development	Geological & Environmental Science
TPR-3744	"INFLUENCE OF TIME AND OXYGEN PARTIAL PRESSURE ON SYNTHETIC COAL SLAG INFILTRATION INTO ALUMINA REFRACTORY"	680 - Materials Performance	Materials Science
TPR-3747	Using a high temperature, high pressure Couette viscometer to assess Krytox® oils as a deepwater HTHP viscosity standard	605 - Earth and Mineral Sciences	Geological & Environmental Science
TPR-3748	Oxygen-induced Y surface segregation in a CuPdY ternary alloy	680 - Materials Performance	Computational & Basic Science
TPR-3755	Rigorous kinetic modeling, optimization, and operability studies of a modified Claus unit for an integrated gasification combined cycle (IGCC) power plant with CO2 capture	670 - Computational Science	Computational & Basic Science
TPR-3758	Supported Room Temperature Ionic Liquid Membranes for CO2/CH4 Separation	680 - Materials Performance	Materials Science
TPR-3759	Investigation of Oxidation-Induced Phase Transformation and Microstructures of Inconel 939 in Oxy-fuel Combustion		Materials Science
TPR-3760	High-throughput characterization of sulfur poisoning of Pd alloy hydrogen separation membr	680 - Materials Performance	Materials Science
TPR-3762	3D seismic volume curvature and curvature gradient for fractured reservoir characterization at Teapot Dome (Wyoming)	600 - Office of Research & Development	Geological & Environmental Science
TPR-3763	Thermomechanical Behavior of Solid Oxide Fuel Cells	680 - Materials Performance	Materials Science
TPR-3765	CO Hydrogenation over Rh-based Pyrochlore Catalysts for Higher Alcohols Synthesis	660 - Chemistry Surfaces Science	Materials Science
TPR-3766	Effects of measurement materials and oxygen partial pressure on measurements of synthetic coal slag viscosity	620 - Energy Systems Dynamics	Materials Science
TPR-3767	Geochemical and Strontium Isotope Characterization of Produced Waters from Marcellus Shale Natural Gas Extraction	640 - Environmental Science	Geological & Environmental Science
TPR-3770	Determination of free CO2 in emergent groundwaters using a commercial beverage carbonation meter	600 - Office of Research & Development	Geological & Environmental Science
TPR-3771	Synthesis and Morphology Control of Carbon Nanotube/Polyaniline Composite for Chemical Sensing	620 - Energy Systems Dynamics	Materials Science

NNSA 1

From: Durkis, Jim C.
To: Scott, Stephen; Van Dyke, Henry; Fremont, Douglas E; Lempke, Amber
Cc: Garibay, Pablo
Subject: RE: Steve Scott"s Thesis
Date: Wednesday, June 25, 2014 9:39:00 AM

I have reviewed the thesis. My conclusions are as follows:

1) There is no patentable subject matter discussed or disclosed in the document,
2) While I am not a security expert, there appears to be nothing within the document that is not otherwise publicly available information.

Based on my review, I recommend clearance and allowance of publication.

Please let me know if there are further questions.

Jim C. Durkis
NNSA Patent Counsel
DOE/NNSA Albuquerque
(505) 845-5172

-----Original Message-----
From: Scott, Stephen
Sent: Tuesday, June 24, 2014 8:52 PM
To: Durkis, Jim C.; Van Dyke, Henry; Fremont, Douglas E; Lempke, Amber
Cc: Garibay, Pablo
Subject: RE: Steve Scott's Thesis

Greetings!

Here is an electronic copy of my thesis. I know there are at least two grammatical errors my wife found while reading it the last week while we were on the road driving home to Nevada from Washington DC.

I appreciate your willingness to review the document.

Thanks!

Steve

Stephen M. Scott
Sr. Technical Security Engineer
U.S. Department of Energy
National Nuclear Security Administration
Nevada Field Office
Office of the Assistant Manager
for Safety and Security
702-295-5943

NFO Goal: We succeed through teamwork and continuous improvement.

This message is UNCLASSIFIED according to E.O. 13526

-----Original Message-----
From: Durkis, Jim C.
Sent: Friday, June 20, 2014 8:11 AM
To: Van Dyke, Henry; Fremont, Douglas E; Lempke, Amber
Cc: Scott Stephen; Scott, Stephen; Garibay, Pablo
Subject: RE: Steve Scott's Thesis

Hank/Doug/Scott:

My office would be happy to review. However, please understand a few issues:

1) The National Defense University routinely electronically publishes student theses. I checked their database and Mr. Scott's does not appear to have been released at this time.
2) My office would typically never have an Intellectual Property concern over a student thesis. The only RARE exception would be if a new invention or technology is proposed in the thesis. If this is the case, I would request a delay in publication until a patentability review took place (i.e., could we patent the idea). Absent a novel invention or technology, my office would have little input.
3) The greatest possible concern may be a security issue. Does this thesis reveal important security information, processes or procedures that are not otherwise publicly available that could aid in terrorists circumventing our security measures? This is not a question my office is equipped to address.

As such, please forward to myself and Pablo for a review of potential novel technologies. If such a review is not seen as needed based on the content of the thesis itself, please let me know.

However, I serious recommend an appropriate security division review in light of issues raised in #3, above.

Let me know how I can help.

Jim C. Durkis
NNSA Patent Counsel
DOE/NNSA Albuquerque
(505) 845-5172

-----Original Message-----
From: Van Dyke, Henry
Sent: Friday, June 20, 2014 8:56 AM
To: Fremont, Douglas E; Lempke, Amber
Cc: Scott Stephen; Scott, Stephen; Garibay, Pablo; Durkis, Jim C.
Subject: RE: Steve Scott's Thesis

Doug,

I trust this finds you well and busy at NDU.

To answer your question, I would like our intellectual property team to review the thesis to ensure there is no inadvertent NNSA protected information therein. Would you please forward the document to Pablo Garibay (Pablo.garibay@nnsa.doe.gov) and Jim Durkis (Jim.durkis@nnsa.doe.gov) for their review? Thanks for sending this our way.

Best regards,

Hank

-----Original Message-----
From: Fremont, Douglas E
Sent: Thursday, June 19, 2014 4:11 PM

To: Lempke, Amber; Van Dyke, Henry
Cc: Scott Stephen; Scott, Stephen
Subject: Steve Scott's Thesis

Hank & Amber,

Steve Scott completed his NDU/CISA thesis on Threats & Security of the Nation's Gas Pipelines (not the exact title but I am away from my desk for a day or so.

The document is unclassified and it is his work. A number of friends & colleagues in and out of DOE have requested a copy and he would like to share it with them.

NDU dies not publish the thesis but has no issues with the individual releasing it. However before he shared it, Steve wanted to know if DOE/NNSA had any issues with him distributing it to friends and colleagues. My guess is that there are no issues? But wanted to ask on his behalf,

Please let me know what if any concerns you have with him providing a copy to those he wants to share it with.

Doug